



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZX-EX-A3-150W-D120.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] HZX-EX-A3-150W-D120

[TESTLAB] EVERFINE

[TESTDATE] 2021-03-30

[ISSUEDATE] 2021-03-30 10:57:49

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-3000H_V1 SYSTEM

[MANUFAC] BELUCE CANADA INC.

[LUMINAIRE] HZX-EX-A3-150W-D120

[LUMCAT] HZX-EX-A3-150W-D120

[LAMP] 18,869 LUMENS

[_SEARCH_SOURCE] LED

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	662.40	662.40	3.51	3.51
[OTHER]	10- 20	1915.52	2577.92	13.66	13.66
[OTHER]	20- 30	2931.05	5508.97	29.20	29.20
[OTHER]	30- 40	3554.53	9063.50	48.03	48.03
[OTHER]	40- 50	3634.99	12698.49	67.30	67.30
[OTHER]	50- 60	3116.43	15814.92	83.81	83.81
[OTHER]	60- 70	2130.45	17945.37	95.10	95.10
[OTHER]	70- 80	873.97	18819.35	99.73	99.73
[OTHER]	80- 90	50.04	18869.39	100.00	100.00
[OTHER]	90-100	0.00	18869.39	100.00	100.00
[OTHER]	100-110	0.00	18869.39	100.00	100.00
[OTHER]	110-120	0.00	18869.39	100.00	100.00
[OTHER]	120-130	0.00	18869.39	100.00	100.00
[OTHER]	130-140	0.00	18869.39	100.00	100.00
[OTHER]	140-150	0.00	18869.39	100.00	100.00
[OTHER]	150-160	0.00	18869.39	100.00	100.00
[OTHER]	160-170	0.00	18869.39	100.00	100.00
[OTHER]	170-180	0.00	18869.39	100.00	100.00
[OTHER]					

Note: Candela values converted from Type-B to Type-C

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CHARACTERISTICS

Lumens Per Lamp	18869 (1 lamp)
Total Lamp Lumens	18869
Luminaire Lumens	18875
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	150.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.23 m (Diameter)
Luminous Width (90-270)	0.23 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	145323	152245	169003
55	123736	138187	151748
65	94484	102517	130839
75	37220	57672	78414
85	0	0	11055

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6970.69	6970.74	6970.87	6971.09	6971.39	6971.77	6972.23	6972.77	6973.39	6974.09
5.0	6927.24	6927.37	6927.66	6928.12	6928.73	6929.37	6929.95	6930.70	6931.60	6932.54
7.5	6883.79	6884.02	6884.48	6885.20	6885.58	6886.16	6886.89	6887.71	6888.59	6889.73
10.0	6840.34	6840.68	6841.35	6841.70	6842.09	6842.55	6842.87	6843.52	6843.87	6844.53
12.5	6796.89	6797.37	6798.07	6798.08	6798.19	6797.96	6797.84	6797.69	6797.47	6797.14
15.0	6753.44	6754.08	6754.45	6754.26	6753.49	6752.68	6751.85	6750.56	6749.21	6746.58
17.5	6585.53	6586.71	6588.79	6591.85	6595.91	6601.19	6607.63	6615.04	6621.70	6632.22
20.0	6417.61	6418.55	6420.27	6422.86	6426.66	6431.78	6437.90	6442.93	6451.94	6461.26
22.5	6249.70	6250.26	6251.34	6253.69	6257.05	6261.47	6266.09	6272.05	6279.57	6288.31
25.0	6081.78	6081.83	6082.56	6084.08	6086.74	6090.08	6093.73	6099.10	6105.78	6113.76
27.5	5913.87	5913.21	5913.25	5914.06	5915.83	5917.75	5920.68	5925.09	5930.59	5937.90
30.0	5745.95	5744.52	5743.83	5743.83	5744.51	5744.96	5746.86	5749.94	5754.47	5759.96
32.5	5500.16	5499.70	5501.16	5504.79	5509.86	5516.37	5525.77	5536.80	5550.53	5566.60
35.0	5254.37	5254.19	5255.66	5259.10	5264.02	5270.38	5278.71	5288.47	5301.86	5316.79
37.5	5008.58	5008.70	5010.15	5013.60	5018.36	5024.06	5031.55	5041.04	5052.55	5066.28
40.0	4762.78	4763.24	4764.59	4768.26	4772.45	4777.68	4784.03	4792.14	4802.28	4814.73
42.5	4516.99	4517.82	4519.15	4522.96	4526.70	4530.66	4536.38	4542.70	4551.57	4561.48
45.0	4271.20	4272.41	4273.80	4277.50	4281.00	4283.69	4287.79	4292.99	4300.21	4306.31
47.5	3940.90	3942.79	3946.44	3953.94	3963.27	3974.14	3987.89	4004.72	4023.84	4042.23
50.0	3610.59	3612.02	3615.21	3621.79	3630.50	3640.94	3654.07	3670.47	3687.99	3705.36
52.5	3280.29	3281.58	3283.69	3289.24	3297.18	3307.96	3320.64	3336.22	3351.95	3368.82
55.0	2949.98	2950.95	2952.32	2957.24	2965.15	2974.81	2987.30	3001.78	3016.48	3032.49
57.5	2619.67	2620.25	2620.68	2624.90	2632.32	2641.75	2654.07	2667.30	2681.25	2695.99
60.0	2289.37	2289.55	2288.99	2292.62	2299.58	2308.94	2320.51	2333.14	2346.53	2359.64
62.5	1974.55	1974.55	1973.98	1977.00	1982.94	1991.05	2000.91	2010.58	2020.18	2028.50
65.0	1659.72	1659.73	1659.72	1662.97	1669.48	1677.92	1687.89	1698.10	1705.92	1714.44
67.5	1344.89	1344.94	1345.54	1348.71	1356.24	1365.05	1375.28	1385.71	1391.42	1401.98
70.0	1030.06	1030.18	1031.44	1035.08	1043.15	1052.40	1062.95	1073.25	1077.46	1091.08
72.5	715.24	715.43	717.40	721.30	730.18	739.59	750.78	761.20	764.13	781.28
75.0	400.41	400.71	403.41	407.59	417.30	427.52	438.93	449.51	452.48	472.37
77.5	200.21	200.41	201.90	204.27	209.49	214.97	220.92	225.56	225.35	235.12
80.0	0.00	0.74	2.97	6.63	11.78	18.28	26.03	34.54	43.12	54.09
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6974.77	6975.48	6976.25	6977.11	6978.03	6979.03	6980.10	6981.24	6982.44	6983.70
5.0	6933.77	6934.93	6936.25	6937.74	6939.39	6941.11	6942.69	6944.44	6946.34	6948.40
7.5	6890.81	6891.88	6893.22	6894.77	6896.06	6897.63	6899.46	6901.40	6903.12	6906.60
10.0	6845.11	6845.67	6846.47	6846.84	6847.44	6848.36	6849.32	6850.69	6852.36	6853.90
12.5	6796.47	6795.50	6794.82	6794.38	6794.17	6793.80	6793.95	6793.92	6794.43	6795.36
15.0	6744.34	6742.44	6740.19	6738.21	6736.02	6734.38	6733.12	6732.42	6731.68	6731.68
17.5	6643.12	6655.09	6668.51	6678.29	6673.99	6671.75	6668.86	6666.09	6663.53	6661.19
20.0	6471.89	6484.02	6498.25	6513.90	6531.31	6550.58	6570.85	6594.51	6589.11	6584.33
22.5	6298.63	6311.02	6324.89	6340.35	6357.19	6375.92	6396.63	6418.87	6442.83	6468.60
25.0	6123.72	6135.04	6148.03	6162.47	6179.03	6194.83	6216.58	6237.91	6261.18	6286.48
27.5	5946.32	5956.31	5967.85	5981.40	5996.38	6012.76	6030.87	6050.84	6072.98	6093.66
30.0	5766.75	5775.00	5785.27	5796.83	5809.58	5823.96	5840.06	5858.25	5878.88	5902.05

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CANDELA TABULATION - (Cont.)

32.5	5585.10	5591.85	5599.86	5608.79	5617.79	5631.13	5645.05	5661.29	5680.05	5701.02
35.0	5334.86	5354.76	5376.98	5400.76	5425.44	5434.83	5446.43	5460.40	5472.73	5493.78
37.5	5080.40	5099.95	5120.03	5143.00	5169.14	5198.94	5232.47	5254.57	5267.19	5282.63
40.0	4827.90	4842.71	4860.57	4881.46	4905.66	4933.57	4964.06	4998.75	5036.61	5064.86
42.5	4571.21	4583.88	4599.22	4617.95	4639.88	4665.12	4699.89	4724.32	4757.47	4795.08
45.0	4313.30	4323.50	4336.56	4352.55	4369.71	4395.11	4419.05	4444.61	4474.65	4505.81
47.5	4054.45	4059.00	4072.42	4086.10	4104.15	4121.51	4140.01	4162.24	4186.23	4210.29
50.0	3726.48	3751.43	3780.39	3815.16	3833.15	3844.62	3858.98	3876.52	3896.22	3917.21
52.5	3388.41	3411.96	3440.10	3473.12	3505.20	3538.80	3576.79	3589.07	3601.75	3615.68
55.0	3050.49	3072.76	3099.86	3128.78	3156.14	3183.32	3217.80	3252.66	3294.48	3310.07
57.5	2712.51	2732.06	2757.47	2781.05	2803.40	2831.12	2847.42	2874.91	2914.75	2959.22
60.0	2374.91	2395.44	2416.89	2436.02	2456.01	2465.10	2469.48	2500.57	2539.40	2581.88
62.5	2039.15	2056.78	2074.23	2088.89	2102.07	2090.39	2094.37	2130.10	2168.58	2197.88
65.0	1727.29	1741.04	1749.54	1755.62	1746.78	1711.86	1727.00	1762.78	1800.83	1818.97
67.5	1416.58	1431.17	1439.98	1447.30	1433.13	1401.59	1407.76	1417.95	1437.71	1466.04
70.0	1107.33	1122.99	1131.12	1141.59	1129.02	1116.34	1128.25	1141.80	1154.42	1165.53
72.5	799.04	816.14	825.35	839.90	835.95	837.73	852.65	870.88	884.82	897.74
75.0	491.76	509.73	522.01	541.98	551.85	561.30	581.95	606.59	620.43	635.33
77.5	243.90	249.68	251.44	261.15	274.21	288.59	315.00	340.28	361.29	382.17
80.0	65.54	76.34	86.60	99.17	110.73	117.56	129.27	136.72	143.58	149.91
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.82	19.35	32.36
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6984.92	6986.40	6987.82	6989.27	6990.77	6992.33	6993.93	6995.58	6997.27	6999.00
5.0	6950.61	6952.80	6955.26	6957.65	6960.18	6962.86	6965.68	6968.62	6971.70	6974.89
7.5	6907.43	6909.49	6912.66	6915.50	6918.61	6922.01	6925.67	6928.77	6933.66	6937.85
10.0	6855.87	6857.18	6860.75	6863.51	6867.41	6870.37	6874.40	6878.69	6883.42	6888.58
12.5	6796.70	6798.63	6800.75	6803.27	6806.41	6810.05	6814.02	6818.63	6823.86	6827.95
15.0	6731.72	6732.55	6733.50	6734.85	6735.93	6739.71	6743.23	6747.62	6752.72	6758.36
17.5	6659.32	6658.18	6657.56	6657.62	6658.50	6659.74	6662.18	6665.57	6669.84	6675.34
20.0	6580.05	6575.92	6572.69	6570.44	6568.93	6568.26	6569.03	6570.78	6574.14	6579.00
22.5	6492.31	6484.66	6478.21	6472.94	6468.59	6465.72	6464.19	6464.28	6466.15	6469.51
25.0	6314.08	6343.71	6374.91	6366.44	6358.91	6353.32	6349.15	6346.57	6346.63	6348.49
27.5	6124.19	6153.79	6186.25	6218.26	6239.54	6229.79	6222.54	6217.63	6216.96	6215.81
30.0	5927.92	5956.14	5986.86	6018.54	6058.78	6096.97	6084.17	6078.87	6074.12	6071.84
32.5	5724.07	5750.54	5785.17	5811.58	5851.21	5892.01	5941.65	5928.84	5920.44	5915.63
35.0	5515.31	5539.70	5567.00	5594.01	5633.26	5672.89	5717.56	5767.63	5754.47	5745.88
37.5	5299.97	5322.83	5339.82	5371.92	5404.28	5441.96	5485.08	5534.39	5577.44	5564.82
40.0	5077.82	5092.83	5112.04	5136.36	5165.41	5200.93	5242.58	5290.42	5345.12	5371.22
42.5	4834.08	4857.49	4872.21	4892.64	4918.44	4949.81	4988.31	5033.14	5084.78	5144.56
45.0	4542.35	4582.90	4626.15	4640.78	4661.91	4688.94	4720.95	4759.72	4808.06	4865.79
47.5	4249.14	4281.07	4323.17	4373.07	4395.59	4413.13	4433.60	4468.33	4517.36	4570.83
50.0	3938.00	3972.69	4011.13	4051.12	4096.53	4128.08	4143.69	4173.99	4206.88	4242.96
52.5	3634.45	3661.38	3683.63	3703.89	3741.13	3801.68	3831.60	3826.55	3840.16	3880.75
55.0	3325.55	3333.00	3323.54	3331.22	3373.10	3411.11	3416.12	3426.65	3445.46	3478.44
57.5	2999.65	2967.30	2940.92	2964.42	2986.52	3005.89	3018.95	3061.78	3099.10	3121.77
60.0	2589.07	2568.30	2575.47	2599.84	2626.63	2644.41	2678.55	2721.95	2776.75	2803.47
62.5	2194.32	2194.99	2219.84	2261.27	2296.85	2319.04	2344.97	2379.62	2418.69	2481.02
65.0	1827.31	1841.78	1861.22	1910.22	1956.34	1994.15	2007.11	2009.52	2045.16	2096.84
67.5	1488.35	1488.42	1522.02	1567.13	1604.12	1639.29	1631.28	1646.20	1683.12	1706.36

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CANDELA TABULATION - (Cont.)

70.0	1152.64	1146.05	1188.17	1226.95	1263.94	1267.05	1278.08	1309.50	1338.67	1360.69
72.5	876.49	879.45	889.06	897.76	922.13	929.64	963.15	990.47	1027.29	1025.49
75.0	630.21	644.05	654.73	662.16	632.62	627.24	669.66	693.66	712.68	728.57
77.5	393.77	415.83	432.25	441.55	433.88	439.56	419.30	419.64	441.95	471.53
80.0	164.45	192.55	219.22	235.45	249.56	264.85	263.43	262.63	251.66	236.53
82.5	44.68	55.20	65.70	73.92	78.85	98.93	116.96	128.00	133.38	132.55
85.0	0.00	0.00	0.00	0.00	0.00	10.05	19.81	28.08	35.17	45.30
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	7000.76	7002.56	7004.39	7006.24	7008.11	7009.99	7011.90	7011.01	7010.14	7009.28
5.0	6978.20	6981.61	6984.63	6988.45	6992.29	6996.15	7000.02	6998.18	6996.34	6994.51
7.5	6942.30	6947.00	6951.95	6957.14	6962.54	6968.16	6973.98	6971.28	6968.77	6966.46
10.0	6894.15	6900.12	6906.48	6911.78	6919.70	6927.64	6935.60	6931.88	6928.16	6924.46
12.5	6835.95	6842.57	6849.83	6857.72	6866.24	6875.35	6885.06	6880.73	6876.97	6873.78
15.0	6764.90	6772.33	6780.64	6789.82	6798.28	6810.29	6822.33	6816.71	6811.11	6809.06
17.5	6682.06	6689.78	6698.46	6708.41	6719.61	6732.04	6745.66	6739.64	6734.80	6731.14
20.0	6584.95	6592.56	6601.83	6612.74	6622.25	6638.62	6655.02	6647.51	6640.01	6639.31
22.5	6474.94	6479.85	6491.75	6503.06	6516.48	6531.96	6549.48	6542.17	6536.87	6533.57
25.0	6352.87	6359.63	6369.03	6381.06	6395.68	6411.62	6432.53	6423.25	6418.88	6415.76
27.5	6219.12	6225.54	6234.95	6247.13	6262.54	6281.15	6302.93	6294.24	6288.65	6286.17
30.0	6073.40	6078.39	6087.02	6099.51	6115.84	6134.13	6159.92	6148.70	6144.94	6143.05
32.5	5914.44	5917.35	5921.49	5936.63	5953.03	5974.15	5999.97	5990.05	5984.79	5984.20
35.0	5741.67	5742.73	5748.65	5760.06	5776.98	5796.71	5827.32	5813.43	5810.49	5810.42
37.5	5557.68	5554.95	5558.62	5568.53	5584.72	5607.56	5637.05	5625.23	5620.03	5621.37
40.0	5358.35	5352.05	5352.54	5360.53	5376.40	5396.30	5431.67	5416.05	5415.70	5419.05
42.5	5142.85	5132.17	5129.73	5136.04	5150.97	5175.29	5208.94	5197.68	5195.58	5202.52
45.0	4913.31	4896.90	4890.18	4893.02	4906.76	4926.07	4967.16	4950.65	4955.70	4966.34
47.5	4635.42	4644.60	4633.25	4630.14	4645.30	4669.56	4706.45	4695.15	4696.56	4707.14
50.0	4315.97	4379.98	4357.42	4346.51	4354.57	4375.20	4429.42	4407.05	4415.96	4434.16
52.5	3930.72	3987.91	3971.33	3948.59	3950.32	3974.58	4022.74	4008.77	4019.49	4053.66
55.0	3509.61	3548.65	3581.17	3564.73	3564.95	3570.87	3617.79	3598.01	3620.58	3650.44
57.5	3156.98	3207.65	3273.89	3258.57	3254.87	3271.53	3309.35	3301.06	3313.41	3345.63
60.0	2830.53	2871.09	2929.46	2947.78	2940.33	2945.29	2998.16	2977.96	3005.40	3044.66
62.5	2487.36	2520.28	2572.37	2627.38	2614.39	2626.84	2667.12	2660.97	2682.24	2729.65
65.0	2132.42	2135.02	2187.98	2257.61	2239.52	2247.17	2298.35	2289.78	2323.03	2379.91
67.5	1725.95	1761.91	1790.04	1832.57	1843.15	1846.25	1877.94	1875.92	1905.14	1938.93
70.0	1379.08	1426.55	1447.86	1481.40	1522.73	1512.16	1540.26	1543.01	1585.90	1593.86
72.5	1050.66	1080.67	1060.70	1116.66	1144.43	1136.79	1166.31	1173.20	1225.43	1225.01
75.0	745.79	737.30	771.18	780.50	810.14	820.34	843.57	859.29	879.36	886.86
77.5	468.81	474.83	477.35	497.00	514.08	525.01	525.62	543.21	562.24	579.60
80.0	260.61	266.02	266.61	275.13	283.45	294.69	295.04	306.96	318.38	335.03
82.5	122.85	118.55	125.87	119.33	122.04	124.79	128.09	129.61	142.48	156.16
85.0	51.71	51.61	46.08	44.95	41.09	41.62	40.05	42.81	42.72	53.94
87.5	0.00	6.44	15.85	19.09	18.43	17.82	15.84	10.93	13.63	18.27
90.0	0.00	0.00	0.00	0.00	0.00	0.00	6.17	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	7008.44	7007.61	7006.80	7006.01	7005.25	7004.50	7003.79	7003.09	7002.43	7001.80

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CANDELA TABULATION - (Cont.)

5.0	6992.69	6991.67	6990.23	6988.87	6987.60	6986.42	6985.33	6984.34	6983.45	6982.65
7.5	6964.35	6962.44	6960.75	6959.26	6957.98	6955.97	6955.68	6954.78	6954.09	6953.59
10.0	6923.35	6921.13	6919.27	6917.76	6916.61	6915.82	6915.38	6915.08	6915.01	6915.27
12.5	6871.18	6869.15	6867.70	6864.81	6865.66	6865.29	6865.43	6866.07	6867.04	6868.45
15.0	6806.25	6804.28	6803.14	6802.84	6803.38	6804.35	6805.91	6808.25	6810.18	6814.34
17.5	6728.67	6727.39	6727.00	6727.54	6729.19	6731.95	6735.34	6739.42	6744.48	6750.11
20.0	6637.13	6636.49	6637.37	6639.78	6643.07	6647.67	6653.65	6660.41	6668.36	6677.05
22.5	6532.28	6530.29	6535.12	6539.25	6545.25	6552.52	6560.76	6571.48	6582.62	6594.89
25.0	6415.09	6416.87	6421.08	6427.52	6436.29	6446.61	6459.15	6472.96	6487.85	6504.32
27.5	6286.78	6290.03	6296.11	6305.08	6316.39	6330.23	6346.13	6363.85	6383.94	6384.29
30.0	6144.89	6150.42	6159.35	6171.34	6186.81	6204.22	6221.75	6246.17	6239.49	6230.49
32.5	5984.75	5996.06	6008.36	6024.58	6044.29	6067.24	6090.87	6081.04	6074.69	6068.41
35.0	5815.98	5827.18	5842.94	5863.86	5888.79	5917.92	5907.43	5901.39	5899.17	5896.27
37.5	5628.99	5642.88	5663.16	5687.94	5718.37	5716.31	5710.86	5709.99	5713.18	5719.55
40.0	5429.78	5447.43	5471.33	5501.46	5509.79	5503.06	5502.17	5506.17	5515.54	5528.94
42.5	5217.33	5239.97	5269.92	5296.06	5284.31	5280.45	5283.92	5294.16	5310.04	5329.14
45.0	4987.44	5017.37	5056.13	5053.25	5045.63	5046.79	5056.49	5072.69	5095.32	5123.57
47.5	4736.54	4774.52	4800.25	4790.73	4791.25	4794.17	4810.03	4840.83	4872.11	4887.33
50.0	4466.66	4514.41	4509.17	4500.81	4517.54	4537.26	4561.31	4597.73	4597.15	4544.98
52.5	4112.01	4166.88	4165.10	4174.34	4203.55	4250.96	4293.91	4288.50	4235.25	4196.40
55.0	3702.70	3730.71	3749.50	3778.08	3819.97	3889.92	3919.70	3886.52	3843.27	3822.44
57.5	3391.24	3383.42	3394.13	3423.11	3459.33	3472.28	3461.80	3457.09	3423.72	3415.50
60.0	3069.05	3068.63	3085.70	3120.77	3143.93	3092.07	3054.17	3040.06	3028.22	2994.22
62.5	2732.79	2739.93	2765.73	2820.64	2769.01	2728.60	2695.50	2672.19	2655.70	2639.93
65.0	2365.31	2391.92	2443.97	2415.72	2387.25	2365.68	2343.74	2327.82	2319.66	2326.11
67.5	1956.28	1987.79	2018.24	2010.99	1978.47	1988.03	1996.83	1989.07	1985.72	2000.59
70.0	1613.04	1645.67	1614.28	1610.54	1601.96	1594.77	1645.66	1659.30	1660.04	1669.91
72.5	1260.95	1276.07	1259.90	1266.76	1268.58	1264.23	1295.03	1335.68	1346.01	1352.78
75.0	899.75	915.63	921.04	929.20	955.71	961.80	966.80	1021.72	1041.63	1048.19
77.5	595.09	596.99	634.21	648.23	644.80	673.07	692.33	733.54	753.36	759.21
80.0	343.40	366.67	372.05	375.32	412.82	438.98	458.94	467.99	479.97	482.00
82.5	169.08	173.89	195.80	217.29	235.97	236.43	242.36	233.57	222.64	214.79
85.0	64.16	77.77	85.22	84.45	77.98	67.40	51.07	27.00	0.00	0.00
87.5	18.52	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	7001.20	7000.59	6999.90	6999.46	6998.93	6998.44	6997.97	6997.55	6997.15	6996.80
5.0	6981.96	6981.14	6980.54	6979.88	6979.30	6978.82	6978.43	6978.13	6977.62	6977.09
7.5	6953.30	6952.60	6952.76	6952.60	6952.63	6952.83	6952.87	6952.97	6953.23	6953.67
10.0	6915.85	6915.54	6917.24	6918.18	6919.42	6920.49	6921.76	6923.29	6924.43	6925.66
12.5	6870.36	6872.53	6874.69	6877.28	6879.96	6882.69	6885.77	6888.20	6891.35	6894.16
15.0	6818.05	6821.94	6825.68	6829.97	6834.62	6839.83	6844.65	6849.81	6854.56	6859.51
17.5	6756.57	6763.48	6770.62	6778.04	6785.19	6792.22	6799.08	6806.50	6813.21	6821.49
20.0	6686.43	6696.30	6706.51	6717.33	6728.84	6739.39	6733.56	6728.13	6722.58	6718.64
22.5	6607.70	6621.37	6635.14	6631.78	6626.18	6621.11	6618.16	6615.50	6613.09	6610.57
25.0	6521.19	6514.61	6508.91	6504.17	6500.80	6498.74	6497.68	6494.78	6497.96	6498.91
27.5	6380.29	6375.09	6371.93	6366.84	6370.27	6370.87	6372.51	6375.20	6378.40	6382.23
30.0	6228.78	6227.74	6228.14	6229.79	6233.34	6238.01	6243.45	6249.36	6255.84	6262.94
32.5	6070.59	6072.63	6076.57	6083.38	6090.92	6099.76	6109.85	6120.26	6129.12	6140.92
35.0	5904.55	5910.85	5919.96	5930.83	5939.67	5957.41	5971.35	5986.93	6002.27	5978.01
37.5	5724.06	5741.38	5756.26	5772.68	5790.81	5809.59	5801.26	5762.31	5728.18	5697.31
40.0	5545.71	5564.41	5585.49	5608.93	5590.47	5547.67	5507.97	5472.85	5439.85	5411.28

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CANDELA TABULATION - (Cont.)

42.5	5352.74	5380.17	5379.15	5331.57	5288.12	5248.56	5212.58	5179.40	5149.74	5123.00
45.0	5154.79	5110.56	5063.59	5021.36	4982.54	4946.22	4913.66	4884.18	4854.66	4833.20
47.5	4834.53	4786.88	4743.23	4701.32	4672.36	4641.70	4612.42	4586.43	4563.69	4542.19
50.0	4497.92	4456.26	4415.79	4386.68	4358.22	4333.52	4309.92	4287.21	4267.81	4252.08
52.5	4157.04	4122.09	4087.05	4065.53	4042.14	4022.29	4000.52	3996.65	3990.25	3985.86
55.0	3810.91	3785.08	3761.00	3740.65	3725.72	3720.00	3718.38	3715.16	3718.48	3718.76
57.5	3430.62	3446.73	3429.19	3414.22	3411.21	3420.98	3428.27	3436.74	3442.26	3449.24
60.0	3016.22	3075.37	3095.28	3085.48	3085.11	3110.19	3136.43	3151.96	3168.66	3182.25
62.5	2652.67	2704.58	2751.85	2758.90	2757.83	2785.61	2835.92	2864.99	2889.69	2912.29
65.0	2330.69	2358.97	2405.58	2429.60	2436.61	2456.25	2524.02	2577.48	2598.18	2602.98
67.5	2030.78	2049.41	2081.19	2103.92	2118.79	2124.45	2171.68	2220.44	2229.56	2233.68
70.0	1719.33	1756.49	1771.61	1777.40	1779.98	1777.86	1801.46	1852.64	1864.81	1867.74
72.5	1387.44	1429.71	1429.19	1439.74	1443.38	1440.27	1446.63	1489.29	1504.72	1505.11
75.0	1059.40	1099.49	1102.13	1110.64	1112.22	1108.22	1104.93	1133.78	1148.51	1145.59
77.5	757.17	779.03	779.53	783.02	786.41	780.36	771.14	783.42	795.54	776.84
80.0	469.33	478.10	464.09	452.73	444.89	417.10	383.65	356.71	331.68	294.99
82.5	189.40	170.00	135.26	97.34	59.97	14.88	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6996.47	6996.19	6995.94	6995.67	6995.37	6995.10	6994.86	6994.66	6994.50	6994.38
5.0	6976.65	6976.30	6976.03	6975.61	6975.44	6975.21	6975.06	6974.98	6974.19	6974.23
7.5	6953.74	6953.91	6954.24	6954.40	6954.35	6954.43	6954.44	6954.50	6954.56	6954.69
10.0	6926.94	6928.17	6929.47	6930.61	6931.51	6932.57	6933.01	6933.60	6933.98	6933.62
12.5	6897.11	6899.75	6902.16	6904.50	6906.79	6908.78	6910.51	6911.86	6913.01	6913.74
15.0	6863.93	6868.47	6872.83	6876.77	6880.35	6883.64	6886.83	6889.33	6891.33	6892.94
17.5	6820.34	6816.46	6813.12	6810.42	6807.55	6806.26	6804.74	6803.66	6802.70	6801.83
20.0	6715.99	6713.55	6711.41	6709.76	6708.69	6707.30	6707.51	6707.28	6706.90	6706.67
22.5	6608.12	6607.59	6607.25	6607.25	6607.57	6608.31	6609.26	6610.09	6611.04	6611.37
25.0	6499.20	6499.22	6500.85	6502.87	6505.03	6507.37	6509.99	6512.32	6514.57	6515.77
27.5	6386.47	6389.95	6392.62	6396.86	6401.10	6405.22	6409.72	6413.89	6417.45	6420.01
30.0	6270.17	6277.56	6283.88	6289.02	6295.94	6302.14	6308.51	6314.73	6320.02	6324.24
32.5	6151.76	6162.37	6172.75	6148.77	6127.56	6110.50	6096.08	6084.53	6075.69	6069.32
35.0	5948.76	5921.65	5897.41	5875.67	5855.31	5837.84	5824.52	5813.18	5804.77	5798.75
37.5	5668.87	5643.32	5618.21	5600.37	5582.59	5566.24	5553.13	5541.64	5533.73	5528.18
40.0	5386.10	5363.03	5342.33	5323.55	5307.94	5293.41	5281.16	5270.28	5262.33	5257.63
42.5	5100.10	5080.79	5062.70	5045.54	5031.99	5019.92	5009.15	4998.90	4991.02	4986.99
45.0	4812.45	4796.28	4781.57	4767.73	4755.00	4745.52	4736.47	4727.81	4719.77	4716.06
47.5	4523.92	4505.85	4498.95	4491.28	4486.03	4483.62	4481.27	4477.78	4473.55	4472.59
50.0	4244.50	4240.16	4239.99	4239.70	4237.74	4236.94	4236.59	4235.31	4232.67	4232.24
52.5	3982.33	3981.41	3983.24	3987.04	3989.09	3990.17	3991.95	3992.81	3991.05	3991.61
55.0	3719.47	3721.78	3726.69	3734.01	3739.50	3743.31	3747.01	3749.89	3750.76	3751.73
57.5	3453.72	3459.08	3470.30	3480.43	3489.16	3496.31	3501.98	3506.76	3509.58	3511.39
60.0	3191.82	3201.18	3213.20	3226.54	3238.75	3249.29	3256.36	3263.64	3268.33	3271.11
62.5	2928.16	2940.65	2950.77	2947.69	2944.87	2941.23	2936.33	2931.98	2927.37	2922.75
65.0	2597.36	2589.18	2587.14	2585.30	2583.72	2581.00	2576.63	2572.93	2568.70	2564.41
67.5	2231.21	2218.54	2222.80	2224.13	2222.58	2221.11	2217.30	2214.14	2210.05	2205.71
70.0	1865.83	1857.34	1857.52	1864.05	1862.24	1861.52	1858.22	1855.57	1851.58	1847.95
72.5	1501.33	1493.22	1490.88	1504.68	1502.59	1502.54	1499.39	1496.46	1493.27	1489.78
75.0	1140.45	1130.62	1125.00	1146.33	1143.50	1144.10	1140.92	1138.89	1135.09	1131.67
77.5	750.25	720.70	694.69	689.71	666.29	646.46	626.15	608.57	592.92	580.17

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CANDELA TABULATION - (Cont.)

80.0	258.35	221.38	186.60	158.44	127.41	99.28	73.81	51.74	33.33	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6994.29	6994.24	6994.23	6994.10	6994.00	6993.95	6993.93	6993.95	6994.02	6994.12
5.0	6974.26	6974.30	6974.33	6973.98	6973.62	6973.27	6972.93	6973.66	6973.14	6972.95
7.5	6954.50	6954.41	6954.44	6953.88	6953.45	6953.13	6952.52	6952.00	6951.60	6950.79
10.0	6934.25	6934.39	6934.54	6933.63	6932.72	6931.48	6931.30	6930.24	6928.72	6927.39
12.5	6914.42	6914.50	6914.64	6913.47	6912.68	6911.15	6909.69	6907.48	6905.09	6902.32
15.0	6893.57	6894.42	6894.74	6893.08	6891.23	6890.14	6887.31	6884.09	6880.20	6876.16
17.5	6801.19	6800.83	6800.75	6799.61	6799.17	6799.05	6798.86	6798.25	6798.25	6798.76
20.0	6704.02	6706.02	6706.76	6705.02	6702.41	6704.25	6703.26	6702.31	6702.51	6701.06
22.5	6611.82	6612.46	6612.78	6611.81	6610.90	6609.54	6607.85	6605.93	6604.19	6602.88
25.0	6514.01	6517.39	6518.79	6517.28	6513.39	6514.61	6512.16	6509.16	6506.54	6503.68
27.5	6422.01	6423.74	6424.80	6423.88	6422.01	6419.56	6416.03	6412.25	6408.45	6403.66
30.0	6323.21	6328.38	6330.81	6328.99	6324.03	6324.67	6319.82	6315.11	6309.41	6302.06
32.5	6063.43	6060.76	6060.48	6060.83	6063.42	6068.83	6074.70	6084.45	6096.59	6109.51
35.0	5793.58	5787.87	5790.14	5787.35	5792.55	5796.74	5802.62	5811.42	5821.65	5834.28
37.5	5523.77	5520.56	5519.81	5519.42	5521.85	5524.83	5530.99	5537.55	5547.71	5558.14
40.0	5253.80	5247.62	5249.47	5245.82	5250.41	5252.89	5257.14	5263.43	5270.98	5281.83
42.5	4983.83	4980.53	4979.14	4978.05	4979.20	4981.42	4983.95	4988.44	4996.44	5004.66
45.0	4713.85	4707.63	4708.80	4704.42	4707.97	4708.52	4711.22	4713.48	4719.35	4727.27
47.5	4472.83	4471.03	4469.48	4467.80	4466.77	4464.74	4462.97	4461.63	4462.68	4464.17
50.0	4233.13	4229.18	4230.15	4226.01	4226.95	4224.13	4221.04	4218.41	4217.67	4217.80
52.5	3993.26	3992.63	3990.83	3989.35	3987.12	3983.54	3979.14	3975.25	3972.97	3971.24
55.0	3753.53	3750.92	3751.51	3747.78	3747.80	3742.82	3737.13	3731.94	3728.34	3724.66
57.5	3513.60	3514.09	3512.19	3510.68	3507.17	3502.09	3495.16	3488.49	3483.84	3478.02
60.0	3264.67	3272.54	3272.87	3269.07	3258.23	3261.42	3253.28	3245.00	3239.58	3233.22
62.5	2920.17	2918.04	2915.10	2914.71	2914.13	2913.87	2913.45	2914.91	2919.40	2923.61
65.0	2550.28	2557.18	2557.33	2554.02	2544.68	2556.57	2556.88	2556.13	2560.57	2564.26
67.5	2204.33	2202.30	2199.56	2199.33	2199.15	2199.46	2199.09	2198.34	2202.26	2205.47
70.0	1836.46	1841.93	1841.79	1839.18	1831.72	1842.74	1842.07	1840.64	1845.20	1847.17
72.5	1488.68	1486.58	1484.03	1484.05	1484.36	1485.49	1485.20	1483.01	1486.58	1489.47
75.0	1123.10	1126.78	1126.26	1124.49	1119.24	1128.72	1128.46	1126.04	1129.22	1132.28
77.5	571.87	565.98	563.13	564.81	569.89	578.66	589.28	601.21	619.43	639.92
80.0	0.00	0.00	0.00	0.00	0.00	0.00	33.12	51.12	73.01	98.22
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6994.26	6994.44	6994.73	6994.62	6994.74	6994.89	6995.09	6995.33	6995.60	6995.92
5.0	6972.85	6972.84	6972.68	6972.44	6972.29	6972.24	6972.28	6972.63	6972.43	6972.60
7.5	6949.97	6949.29	6948.53	6947.74	6947.11	6946.79	6945.80	6945.16	6944.70	6944.91
10.0	6925.56	6923.93	6922.20	6920.39	6918.80	6916.64	6914.69	6913.74	6911.29	6909.90
12.5	6899.51	6896.62	6893.43	6889.98	6886.71	6883.60	6880.37	6876.23	6872.94	6869.02

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CANDELA TABULATION - (Cont.)

15.0	6872.98	6867.15	6862.40	6857.85	6852.05	6846.22	6839.99	6835.35	6828.40	6824.43
17.5	6799.40	6800.85	6802.36	6803.64	6805.29	6804.87	6796.93	6788.39	6780.01	6771.30
20.0	6701.18	6700.83	6700.38	6702.07	6701.44	6702.65	6704.44	6707.32	6709.86	6713.69
22.5	6601.14	6598.88	6596.95	6595.70	6595.33	6593.68	6593.55	6593.96	6595.19	6597.70
25.0	6499.80	6495.67	6491.99	6488.21	6484.80	6482.15	6480.35	6477.50	6475.59	6475.21
27.5	6398.89	6391.32	6384.90	6378.84	6373.28	6367.31	6361.33	6356.00	6351.98	6348.58
30.0	6294.00	6285.95	6276.47	6268.23	6258.87	6248.98	6240.07	6231.47	6223.72	6217.18
32.5	6125.53	6144.39	6167.44	6155.10	6141.40	6128.72	6115.57	6106.73	6091.81	6081.04
35.0	5849.30	5867.90	5890.11	5911.58	5937.62	5966.52	5988.40	5971.80	5955.27	5939.60
37.5	5572.76	5589.83	5608.92	5629.68	5653.63	5684.41	5712.17	5746.58	5786.91	5792.56
40.0	5294.93	5310.28	5326.88	5346.05	5367.43	5392.73	5421.25	5455.39	5488.04	5526.14
42.5	5016.38	5030.06	5043.90	5059.78	5079.11	5101.91	5127.86	5156.14	5187.70	5223.20
45.0	4736.99	4747.82	4759.21	4774.32	4789.14	4808.54	4831.30	4856.15	4886.82	4916.89
47.5	4466.47	4468.02	4472.95	4483.57	4497.05	4513.91	4533.24	4554.95	4579.91	4607.51
50.0	4218.04	4217.85	4214.54	4214.52	4215.87	4219.02	4236.10	4252.02	4272.45	4293.72
52.5	3968.48	3963.82	3959.93	3956.70	3954.70	3953.64	3958.30	3958.48	3957.24	3978.99
55.0	3718.90	3711.60	3705.33	3698.48	3692.51	3687.20	3684.77	3680.66	3676.76	3679.01
57.5	3469.33	3459.99	3450.53	3439.92	3429.70	3419.60	3410.82	3400.13	3392.00	3381.92
60.0	3219.65	3208.35	3195.31	3180.97	3165.86	3151.02	3135.88	3118.70	3102.49	3070.19
62.5	2926.50	2931.72	2935.70	2922.18	2901.69	2882.10	2860.03	2837.73	2799.84	2747.13
65.0	2567.94	2571.05	2573.09	2571.35	2571.16	2573.83	2572.20	2552.51	2483.95	2420.59
67.5	2207.96	2211.35	2211.97	2199.09	2202.72	2204.46	2203.60	2191.06	2133.07	2093.64
70.0	1849.82	1854.19	1849.47	1835.29	1837.35	1838.54	1839.57	1820.26	1769.99	1752.27
72.5	1492.79	1495.03	1486.52	1468.79	1471.58	1475.98	1478.60	1458.48	1421.23	1417.80
75.0	1134.97	1138.34	1126.00	1105.28	1109.79	1116.25	1120.46	1108.30	1084.60	1087.24
77.5	661.20	685.23	691.57	699.63	722.96	748.81	767.86	763.95	754.68	760.61
80.0	126.46	157.42	185.07	214.89	248.87	284.72	319.61	348.29	374.61	403.44
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.39
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6996.27	6996.67	6997.10	6997.56	6998.22	6998.41	6998.88	6999.39	6999.94	7000.53
5.0	6972.86	6973.24	6973.71	6974.30	6975.54	6975.28	6975.89	6976.63	6977.46	6978.41
7.5	6943.63	6943.19	6942.94	6942.90	6942.95	6943.16	6943.59	6944.22	6945.05	6946.09
10.0	6909.40	6906.89	6905.50	6904.45	6903.30	6902.31	6901.69	6901.44	6902.48	6901.80
12.5	6865.52	6862.27	6859.29	6856.78	6854.29	6852.08	6850.40	6850.63	6847.96	6847.39
15.0	6817.29	6812.17	6806.65	6801.82	6797.36	6793.45	6790.30	6787.23	6784.85	6783.27
17.5	6762.89	6754.87	6746.99	6739.57	6732.78	6726.73	6724.21	6716.20	6712.12	6708.92
20.0	6702.76	6691.60	6680.87	6670.07	6660.15	6651.12	6642.85	6635.41	6631.21	6623.60
22.5	6600.10	6604.19	6608.25	6593.43	6580.09	6567.51	6556.06	6545.99	6536.03	6528.52
25.0	6476.09	6478.20	6481.56	6486.78	6492.97	6476.87	6460.77	6446.93	6432.78	6421.36
27.5	6348.61	6346.12	6347.08	6349.12	6352.95	6359.16	6355.43	6336.30	6319.26	6303.50
30.0	6211.94	6207.22	6204.11	6202.67	6203.04	6206.44	6210.94	6216.26	6194.86	6174.08
32.5	6070.64	6061.78	6053.86	6048.06	6043.97	6043.32	6044.70	6049.13	6057.24	6033.74
35.0	5924.00	5910.17	5899.33	5889.04	5878.19	5870.58	5867.82	5868.03	5872.13	5880.85
37.5	5770.51	5750.15	5731.70	5714.90	5700.80	5688.79	5680.13	5676.03	5676.21	5681.36
40.0	5570.27	5586.04	5560.75	5537.19	5515.74	5498.04	5483.41	5473.32	5469.11	5470.79
42.5	5262.32	5305.62	5352.42	5352.17	5323.39	5297.70	5277.55	5262.51	5253.29	5250.11
45.0	4952.32	4989.93	5033.25	5080.41	5123.32	5091.65	5064.64	5042.61	5026.15	5016.62
47.5	4636.59	4671.34	4709.62	4753.28	4802.44	4857.19	4842.70	4812.42	4787.69	4769.94
50.0	4319.65	4350.06	4384.76	4423.62	4467.87	4515.76	4569.06	4571.32	4535.83	4511.39

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CANDELA TABULATION - (Cont.)

52.5	4002.25	4028.29	4053.42	4092.60	4125.81	4155.09	4194.74	4255.64	4250.35	4179.33
55.0	3685.94	3705.49	3730.53	3751.83	3754.11	3759.57	3789.85	3821.98	3835.53	3801.09
57.5	3373.67	3382.10	3396.69	3378.26	3345.69	3345.96	3370.96	3383.76	3399.11	3442.42
60.0	3050.27	3055.67	3043.41	2985.95	2927.46	2951.19	2973.42	2991.46	3026.27	3074.70
62.5	2727.37	2725.48	2688.66	2630.39	2603.58	2601.05	2613.60	2636.77	2668.23	2708.04
65.0	2407.70	2393.18	2353.02	2315.14	2300.42	2288.91	2282.04	2290.99	2311.73	2341.93
67.5	2089.87	2076.81	2049.14	2019.68	1997.80	1970.55	1960.05	1962.46	1966.97	1955.42
70.0	1753.84	1754.51	1753.51	1728.19	1691.14	1654.33	1644.21	1639.09	1618.19	1584.16
72.5	1419.98	1419.48	1416.78	1407.80	1373.46	1349.25	1335.42	1326.10	1287.15	1274.06
75.0	1093.88	1094.37	1092.99	1087.21	1057.68	1048.91	1040.62	1021.13	995.74	979.14
77.5	767.96	774.24	778.41	775.53	763.98	761.74	757.52	736.98	721.20	699.28
80.0	431.77	453.91	471.99	482.00	478.17	487.67	484.78	482.40	478.01	460.30
82.5	58.22	99.14	137.72	172.48	195.03	221.00	229.12	242.11	253.06	249.67
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.13	53.39	70.18
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	7001.15	7001.82	7002.51	7003.24	7004.00	7004.79	7005.61	7006.46	7007.33	7005.43
5.0	6979.46	6980.62	6981.88	6983.23	6984.68	6986.22	6987.84	6989.56	6991.35	6987.49
7.5	6947.85	6948.40	6949.82	6951.47	6953.34	6955.44	6957.75	6960.27	6963.00	6957.10
10.0	6902.48	6903.56	6905.01	6906.84	6909.05	6911.63	6914.58	6917.88	6921.54	6913.60
12.5	6847.42	6848.03	6850.72	6850.84	6853.11	6855.99	6859.45	6863.48	6868.08	6858.11
15.0	6784.49	6782.25	6782.90	6784.40	6786.73	6789.89	6793.87	6798.66	6804.25	6792.13
17.5	6706.52	6705.24	6705.09	6708.35	6707.70	6710.68	6714.84	6720.19	6726.71	6712.44
20.0	6619.47	6618.14	6615.19	6615.12	6616.55	6619.49	6623.93	6629.86	6637.28	6620.60
22.5	6525.09	6516.39	6512.82	6511.19	6511.13	6512.96	6516.82	6522.75	6530.73	6511.84
25.0	6411.08	6403.08	6401.78	6393.75	6392.59	6393.87	6397.62	6403.84	6412.53	6391.36
27.5	6289.24	6277.73	6269.04	6263.26	6262.96	6260.03	6262.92	6269.00	6278.24	6255.03
30.0	6157.79	6141.21	6129.69	6121.40	6116.64	6115.67	6118.49	6125.08	6135.42	6109.83
32.5	6011.14	5991.90	5976.31	5964.76	5957.70	5954.77	5956.39	5962.69	5973.71	5946.22
35.0	5853.01	5829.23	5809.18	5797.96	5783.49	5778.35	5778.71	5784.61	5796.06	5766.25
37.5	5684.12	5654.47	5631.39	5610.44	5596.68	5588.77	5586.89	5591.56	5602.89	5570.93
40.0	5478.83	5470.71	5440.21	5416.11	5398.01	5386.83	5383.19	5387.18	5398.85	5365.02
42.5	5253.47	5264.18	5237.96	5207.94	5185.73	5176.63	5166.26	5169.73	5182.25	5146.30
45.0	5014.42	5020.18	5029.15	4984.43	4957.06	4939.03	4931.44	4934.81	4948.71	4910.50
47.5	4759.11	4757.23	4765.71	4746.66	4709.56	4688.49	4674.53	4675.37	4691.05	4638.79
50.0	4481.31	4460.85	4453.77	4443.54	4381.84	4333.07	4304.71	4297.70	4312.44	4253.94
52.5	4120.01	4078.15	4051.83	4032.41	3978.68	3927.58	3901.29	3895.62	3908.72	3863.42
55.0	3743.69	3704.55	3677.31	3668.35	3657.93	3618.37	3595.70	3590.12	3602.25	3558.28
57.5	3437.33	3398.13	3373.10	3364.42	3372.29	3331.16	3302.63	3293.35	3304.71	3259.30
60.0	3129.04	3105.48	3071.93	3054.84	3053.11	3029.32	2995.63	2985.75	2999.71	2951.97
62.5	2751.76	2810.63	2763.79	2729.93	2719.69	2719.57	2690.97	2664.17	2675.30	2625.34
65.0	2366.95	2409.30	2452.56	2384.71	2361.46	2365.73	2307.23	2274.36	2282.16	2230.49
67.5	1969.16	2005.12	2019.62	2013.39	1980.07	1968.69	1948.68	1920.18	1928.04	1879.64
70.0	1599.85	1610.91	1642.39	1680.73	1650.73	1627.65	1620.00	1588.61	1594.56	1550.39
72.5	1265.28	1270.37	1268.93	1303.09	1315.11	1270.80	1259.14	1220.41	1225.36	1184.04
75.0	967.10	932.13	925.21	936.86	949.84	945.97	928.03	904.67	897.08	859.41
77.5	669.66	655.36	638.02	610.94	640.95	644.66	609.94	598.47	605.53	573.77
80.0	434.48	392.90	387.79	381.19	368.71	365.38	353.83	348.67	336.58	330.63
82.5	246.20	227.02	206.75	186.25	183.44	171.66	170.87	167.10	160.39	152.02
85.0	82.26	88.76	91.35	83.88	71.84	64.17	57.75	57.32	54.46	51.26
87.5	0.00	0.00	0.00	10.01	22.60	23.74	19.01	16.96	23.85	22.10

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CANDELA TABULATION - (Cont.)

90.0 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 10.75 0.00

Vert. Angles Horizontal Angles

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	7003.56	7001.72	6999.91	6998.14	6996.41	6994.73	6993.09	6991.51	6989.98	6988.51
5.0	6983.72	6980.04	6976.46	6972.99	6969.64	6966.41	6963.30	6960.34	6957.51	6954.84
7.5	6951.42	6945.96	6940.73	6935.75	6931.03	6926.57	6923.03	6918.35	6914.48	6910.89
10.0	6906.03	6898.84	6892.05	6885.68	6879.73	6874.24	6869.20	6864.64	6861.57	6856.73
12.5	6848.71	6839.91	6831.72	6824.16	6818.79	6810.93	6805.22	6800.18	6795.81	6793.65
15.0	6780.83	6770.37	6760.79	6752.11	6744.36	6737.55	6733.78	6726.60	6722.34	6719.04
17.5	6699.37	6687.53	6676.96	6670.15	6659.48	6652.38	6646.57	6642.04	6638.36	6635.58
20.0	6605.44	6591.86	6579.90	6569.61	6561.01	6555.57	6548.61	6544.74	6544.70	6541.38
22.5	6495.06	6480.43	6467.99	6457.60	6448.98	6442.53	6441.55	6435.66	6435.00	6435.97
25.0	6372.71	6356.65	6343.21	6332.43	6328.87	6318.47	6314.94	6313.95	6315.21	6319.76
27.5	6235.01	6218.23	6207.36	6194.01	6186.28	6181.64	6182.25	6182.53	6186.71	6192.81
30.0	6088.00	6070.00	6055.85	6045.57	6038.98	6035.91	6038.11	6040.29	6047.22	6055.77
32.5	5923.47	5905.47	5892.08	5882.88	5878.26	5877.87	5881.48	5888.60	5899.92	5857.08
35.0	5742.16	5723.91	5711.62	5709.38	5703.52	5706.80	5713.83	5725.04	5682.18	5644.93
37.5	5545.75	5527.33	5515.40	5510.00	5512.56	5517.51	5530.01	5497.25	5457.38	5421.95
40.0	5338.91	5320.51	5309.78	5306.11	5308.55	5318.05	5297.21	5253.78	5216.99	5186.18
42.5	5119.34	5106.07	5091.69	5090.31	5097.27	5097.77	5046.92	5004.05	4968.34	4940.69
45.0	4882.97	4866.13	4859.88	4862.75	4882.44	4832.63	4783.62	4743.22	4712.30	4689.78
47.5	4603.33	4586.75	4585.46	4610.82	4598.02	4536.21	4492.33	4465.44	4445.31	4426.62
50.0	4216.70	4199.91	4202.69	4229.39	4207.49	4173.69	4153.18	4134.92	4131.69	4145.27
52.5	3835.38	3823.33	3824.96	3824.00	3798.44	3779.13	3764.94	3752.41	3760.00	3761.59
55.0	3532.43	3524.45	3533.42	3504.81	3464.49	3439.07	3429.27	3422.62	3383.20	3342.51
57.5	3234.61	3229.63	3237.71	3190.47	3158.45	3139.21	3132.54	3105.57	3037.76	2978.45
60.0	2927.67	2926.41	2910.20	2868.59	2846.10	2838.72	2821.25	2751.65	2691.85	2640.16
62.5	2619.39	2612.31	2561.11	2530.31	2526.88	2529.00	2443.53	2378.63	2339.25	2301.00
65.0	2213.06	2214.17	2189.28	2161.46	2160.93	2126.84	2066.24	1998.79	1952.46	1954.20
67.5	1865.61	1852.19	1820.75	1814.97	1782.57	1721.33	1681.47	1636.65	1586.92	1569.73
70.0	1547.17	1507.81	1492.83	1486.24	1410.85	1360.52	1327.93	1288.10	1263.72	1228.95
72.5	1179.12	1153.20	1137.62	1104.55	1065.11	1008.68	990.54	972.55	948.61	922.35
75.0	854.40	836.95	821.33	763.83	720.40	713.78	687.04	677.94	640.67	627.89
77.5	550.36	549.38	519.14	480.74	463.30	451.75	427.67	400.96	410.73	430.82
80.0	316.02	299.24	275.09	274.81	259.42	233.23	242.16	246.77	255.70	247.30
82.5	139.98	129.38	129.10	113.74	116.45	124.65	126.86	120.86	110.94	92.19
85.0	46.40	46.39	45.81	50.21	50.79	43.39	32.60	26.03	18.13	9.36
87.5	20.01	19.42	16.00	6.43	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles Horizontal Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6987.09	6985.74	6984.69	6983.21	6981.95	6980.75	6979.62	6978.56	6977.58	6976.66
5.0	6952.32	6949.96	6948.55	6945.64	6943.46	6941.44	6939.58	6937.89	6936.37	6935.28
7.5	6907.58	6904.57	6901.86	6899.39	6897.07	6896.52	6893.33	6892.57	6890.37	6888.97
10.0	6853.97	6850.26	6847.71	6845.44	6843.23	6841.48	6840.99	6838.85	6837.83	6838.11
12.5	6788.78	6785.98	6783.85	6782.22	6780.94	6780.32	6779.93	6779.72	6780.10	6780.39
15.0	6716.55	6714.10	6712.54	6711.71	6711.50	6712.15	6712.87	6715.89	6716.29	6720.14
17.5	6636.84	6633.16	6633.32	6634.38	6636.21	6638.55	6640.90	6643.97	6647.69	6651.71
20.0	6541.68	6543.04	6545.40	6548.61	6552.56	6557.24	6562.96	6569.41	6548.42	6530.43
22.5	6438.14	6442.09	6447.44	6453.92	6463.19	6441.01	6418.23	6397.09	6377.49	6359.77

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CANDELA TABULATION - (Cont.)

25.0	6324.15	6331.44	6339.98	6313.17	6287.59	6264.16	6242.28	6222.06	6203.27	6185.80
27.5	6200.70	6184.67	6155.20	6128.20	6103.63	6081.44	6062.82	6042.23	6025.15	6009.25
30.0	6023.50	5992.83	5963.72	5936.95	5913.60	5893.13	5874.50	5858.02	5842.70	5829.28
32.5	5822.59	5791.96	5768.24	5740.75	5719.65	5700.17	5684.03	5669.70	5657.48	5649.07
35.0	5612.43	5583.54	5559.99	5541.15	5522.18	5505.01	5490.41	5477.98	5468.72	5460.31
37.5	5391.53	5366.19	5345.55	5329.96	5312.89	5301.56	5292.30	5284.46	5262.14	5224.28
40.0	5161.68	5139.72	5122.81	5110.20	5101.14	5093.84	5066.42	5022.78	4984.44	4950.47
42.5	4920.30	4904.25	4893.17	4885.16	4863.98	4817.82	4774.77	4736.51	4708.68	4671.11
45.0	4671.87	4661.38	4656.29	4608.91	4560.21	4518.11	4480.43	4445.38	4416.78	4388.45
47.5	4416.57	4398.29	4339.39	4294.27	4256.40	4213.73	4180.62	4150.96	4124.01	4101.67
50.0	4118.41	4044.79	3993.46	3959.76	3936.04	3905.38	3877.13	3853.08	3830.82	3812.05
52.5	3731.49	3680.65	3623.29	3597.52	3593.27	3589.99	3571.00	3551.70	3535.65	3495.99
55.0	3321.37	3297.13	3255.60	3216.76	3220.14	3249.04	3251.59	3209.43	3166.70	3131.04
57.5	2936.95	2914.87	2886.93	2847.92	2831.97	2853.86	2864.01	2835.97	2796.46	2761.05
60.0	2594.32	2559.60	2530.52	2493.28	2463.03	2459.52	2472.91	2462.97	2428.05	2393.00
62.5	2263.94	2222.31	2177.26	2139.73	2116.53	2094.78	2093.95	2088.42	2061.16	2027.11
65.0	1920.44	1874.93	1831.56	1791.89	1767.76	1754.04	1736.72	1722.33	1696.11	1663.60
67.5	1576.71	1535.71	1491.98	1454.05	1422.55	1417.50	1398.63	1385.91	1378.39	1369.45
70.0	1216.89	1207.16	1161.37	1121.77	1097.63	1109.65	1120.98	1111.79	1102.76	1091.39
72.5	886.58	877.96	868.64	858.61	851.67	845.96	855.65	843.33	831.69	816.59
75.0	627.06	631.88	643.11	626.71	613.99	597.49	598.89	582.72	563.24	545.61
77.5	430.63	421.37	423.54	402.39	382.71	359.93	343.73	322.39	297.29	277.40
80.0	244.95	226.67	209.49	184.67	156.02	140.08	134.60	128.34	118.69	112.64
82.5	73.40	68.50	61.60	52.75	41.98	30.67	17.97	4.59	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6975.83	6975.07	6974.39	6973.79	6973.46	6972.75	6972.19	6971.72	6971.32	6971.01
5.0	6933.71	6932.51	6931.49	6930.63	6929.95	6929.29	6928.60	6928.09	6927.74	6927.84
7.5	6887.87	6887.24	6885.96	6885.10	6884.52	6884.02	6883.55	6883.35	6883.30	6883.07
10.0	6836.76	6836.60	6836.82	6836.60	6836.78	6836.95	6837.07	6837.56	6837.70	6838.19
12.5	6781.29	6782.10	6783.20	6784.49	6786.00	6787.44	6788.77	6790.08	6791.38	6792.50
15.0	6720.96	6723.57	6726.27	6729.40	6732.28	6735.34	6739.53	6741.13	6743.79	6746.18
17.5	6656.38	6661.42	6653.28	6641.14	6630.61	6621.33	6613.31	6606.44	6600.29	6595.29
20.0	6513.23	6498.24	6484.99	6475.03	6462.28	6452.95	6445.11	6438.26	6433.65	6427.56
22.5	6343.43	6328.25	6315.62	6303.10	6292.85	6283.60	6275.90	6269.54	6264.08	6259.74
25.0	6170.86	6156.12	6143.02	6131.67	6121.89	6113.43	6106.01	6100.29	6095.32	6091.52
27.5	5994.34	5980.92	5969.29	5958.82	5949.88	5942.35	5937.20	5930.32	5926.52	5922.83
30.0	5816.64	5804.63	5793.72	5784.59	5776.73	5771.05	5764.91	5759.99	5756.84	5754.15
32.5	5636.21	5626.72	5617.47	5609.19	5602.77	5581.42	5563.33	5547.54	5534.64	5524.53
35.0	5452.89	5426.69	5397.15	5370.34	5347.74	5327.00	5310.13	5296.25	5283.92	5275.01
37.5	5190.64	5163.43	5133.98	5110.07	5089.23	5070.91	5056.04	5043.12	5033.79	5024.59
40.0	4918.55	4891.31	4866.81	4846.44	4828.20	4813.13	4799.82	4789.06	4780.75	4774.06
42.5	4642.74	4618.30	4597.35	4579.34	4564.80	4553.50	4542.81	4534.07	4529.36	4522.86
45.0	4364.38	4343.13	4324.94	4311.69	4299.00	4290.45	4284.76	4278.33	4274.11	4271.47
47.5	4083.97	4065.29	4050.79	4039.33	4030.83	4019.29	4002.82	3986.22	3972.03	3961.09
50.0	3800.13	3781.79	3751.28	3724.01	3700.28	3683.05	3666.01	3651.28	3638.30	3628.35
52.5	3468.20	3436.52	3408.46	3383.25	3361.44	3343.48	3328.77	3316.15	3304.67	3295.76
55.0	3110.96	3089.92	3065.38	3042.39	3022.70	3005.56	2992.27	2980.86	2970.84	2962.94
57.5	2745.95	2742.23	2722.27	2701.67	2683.63	2667.78	2656.09	2645.73	2636.97	2630.17
60.0	2376.01	2385.43	2378.81	2360.74	2344.50	2330.74	2320.02	2312.48	2303.22	2297.64

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CANDELA TABULATION - (Cont.)

62.5	2004.45	2021.49	2034.80	2020.13	2007.39	2000.31	1993.37	1987.73	1983.77	1981.39
65.0	1645.38	1674.32	1712.19	1706.46	1698.56	1690.24	1682.71	1675.26	1672.04	1668.60
67.5	1360.58	1370.13	1400.35	1399.44	1391.89	1381.55	1371.10	1363.32	1360.53	1357.21
70.0	1079.01	1077.07	1095.80	1094.60	1085.56	1075.27	1061.69	1052.13	1050.11	1046.33
72.5	800.38	792.16	794.97	791.34	780.20	768.11	753.65	741.69	737.67	735.88
75.0	525.21	512.99	501.73	489.75	476.72	463.02	445.96	431.87	426.26	425.92
77.5	252.55	247.68	242.61	236.78	232.41	229.85	222.00	215.60	213.01	214.00
80.0	101.90	93.73	83.46	72.70	62.20	52.82	42.47	33.07	25.03	18.19
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	7014.13	7014.13	7014.13	7014.13	7014.13
2.5	6970.78	6970.63	6970.57	6970.58	6970.69
5.0	6927.29	6927.03	6926.93	6927.00	6927.24
7.5	6883.09	6883.32	6883.23	6883.39	6883.79
10.0	6838.54	6838.96	6839.46	6839.74	6840.34
12.5	6793.62	6794.48	6795.78	6796.05	6796.89
15.0	6748.11	6749.93	6751.20	6752.34	6753.44
17.5	6591.56	6588.30	6586.25	6585.35	6585.53
20.0	6423.54	6420.58	6418.66	6417.78	6417.61
22.5	6255.76	6252.95	6251.11	6250.29	6249.70
25.0	6087.91	6085.12	6083.42	6082.90	6081.78
27.5	5920.05	5917.25	5915.65	5915.07	5913.87
30.0	5752.46	5749.56	5747.93	5747.45	5745.95
32.5	5516.41	5509.78	5504.43	5501.96	5500.16
35.0	5267.91	5262.42	5257.91	5255.70	5254.37
37.5	5019.83	5015.01	5011.53	5009.42	5008.58
40.0	4769.57	4767.41	4764.47	4763.12	4762.78
42.5	4519.77	4520.05	4517.60	4516.80	4516.99
45.0	4270.28	4270.78	4270.67	4270.45	4271.20
47.5	3951.98	3947.16	3943.43	3940.80	3940.90
50.0	3620.04	3615.45	3612.53	3610.24	3610.59
52.5	3288.12	3283.83	3281.63	3279.70	3280.29
55.0	2956.11	2952.21	2951.15	2949.28	2949.98
57.5	2624.16	2620.72	2619.47	2618.45	2619.67
60.0	2292.32	2289.39	2288.42	2287.81	2289.37
62.5	1976.49	1973.97	1973.40	1973.11	1974.55
65.0	1664.16	1660.23	1659.08	1658.61	1659.72
67.5	1351.24	1346.66	1344.81	1344.13	1344.89
70.0	1039.04	1033.39	1030.59	1029.70	1030.06
72.5	727.09	719.94	716.40	715.30	715.24
75.0	415.34	406.83	402.25	400.92	400.41
77.5	208.50	203.88	201.29	200.51	200.21
80.0	11.72	6.62	2.96	0.74	0.00
82.5	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2577.87	13.70	13.70
0-30	5508.98	29.20	29.20
0-40	9063.03	48.00	48.00
0-60	15813.85	83.80	83.80
0-80	18820.08	99.70	99.70
0-90	18875.23	100.00	100.00
10-90	18212.76	96.50	96.50
20-40	6485.15	34.40	34.40
20-50	10119.52	53.60	53.60
40-70	8881.61	47.10	47.10
60-80	3006.23	15.90	15.90
70-80	875.45	4.60	4.60
80-90	55.15	0.30	0.30
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	18875.23	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	662.47
10-20	1915.4
20-30	2931.11
30-40	3554.04
40-50	3634.37
50-60	3116.46
60-70	2130.78
70-80	875.45
80-90	55.15
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

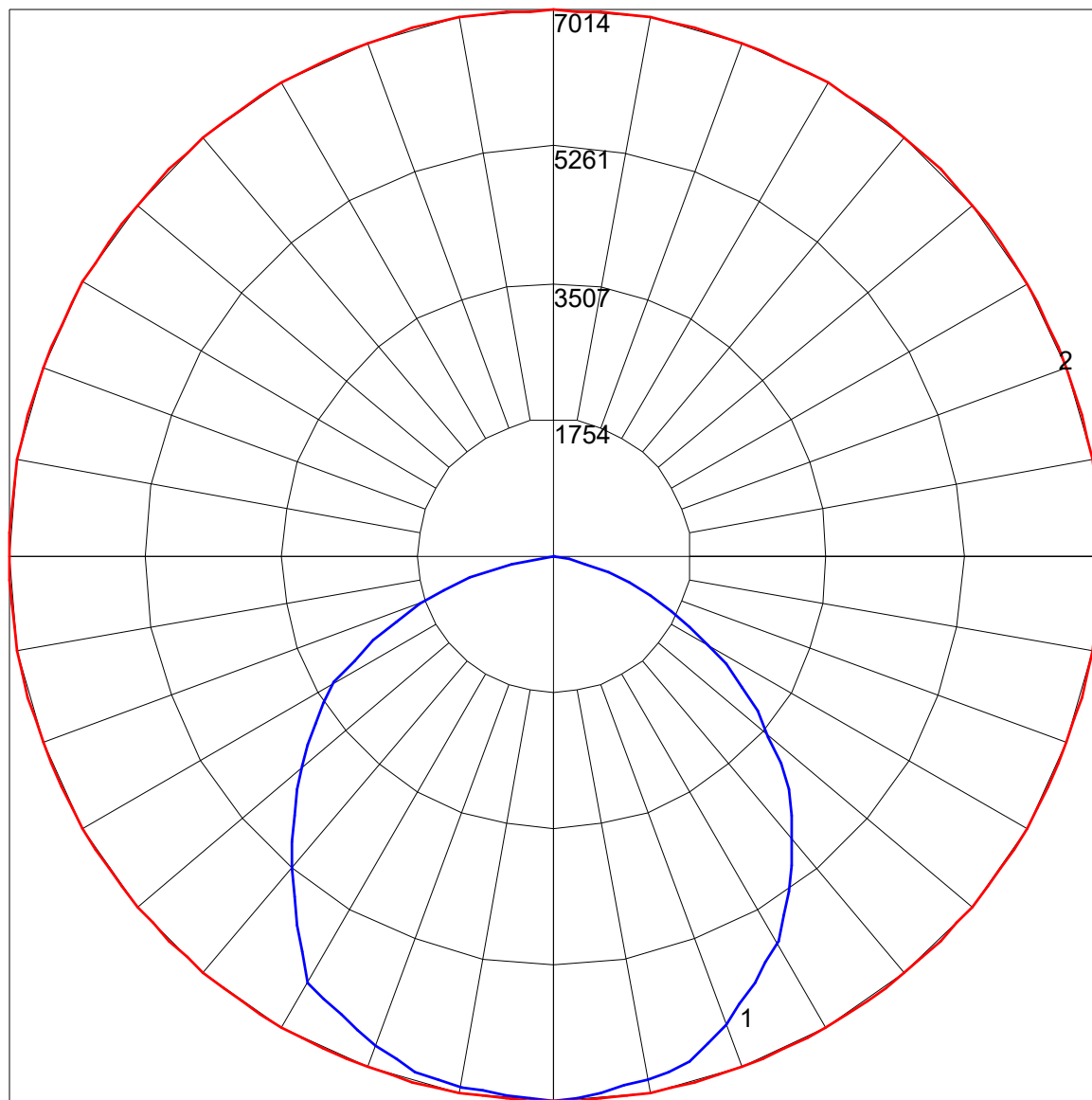
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-A3-150W-D120.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64	62
4	84	73	64	58	82	71	63	57	69	62	56	66	61	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	39	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 7014.13 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)