



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZX-EX-I4-100W-5000K-D120.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] HZX-EX-I4-100W-5000K-D120
 [TESTLAB] EVERFINE
 [TESTDATE] 2021-11-15
 [ISSUEDATE] 2021-11-15 09:49:09
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] EVERFINE GO-2000A_V1 SYSTEM
 [MANUFAC] BELUCE CANADA INC.
 [LUMINAIRE] HZX-EX-I4-100W-5000K-D120
 [LUMCAT]] HZX-EX-I4-100W-5000K-D120
 [LAMP] 14625 LUMENS
 [_SEARCH_SOURCETYPE] LED

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

CHARACTERISTICS

Lumens Per Lamp	14625 (1 lamp)
Total Lamp Lumens	14625
Luminaire Lumens	14625
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	103.006
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5319.36	5319.15	5318.94	5318.73	5318.51	5318.30	5318.09	5317.88	5317.68	5317.39
5.0	5320.63	5320.09	5319.55	5319.00	5318.46	5317.83	5317.05	5316.29	5315.53	5314.48
7.5	5323.06	5322.49	5321.91	5321.27	5320.31	5319.26	5317.99	5316.77	5315.25	5313.71
10.0	5325.49	5325.07	5324.62	5323.74	5322.65	5321.34	5319.66	5317.91	5315.56	5313.11
12.5	5326.97	5326.14	5325.20	5323.67	5321.96	5319.82	5317.33	5314.35	5310.67	5306.31
15.0	5328.45	5327.08	5325.34	5322.95	5320.29	5316.85	5312.41	5306.17	5299.29	5290.97
17.5	5276.11	5275.46	5274.73	5273.91	5273.01	5271.19	5268.11	5263.81	5256.75	5252.12
20.0	5223.76	5223.73	5223.24	5222.39	5221.17	5219.23	5215.79	5208.62	5202.62	5195.69
22.5	5170.96	5170.09	5168.41	5166.69	5163.91	5159.56	5153.43	5146.39	5139.78	5134.50
25.0	5118.15	5116.29	5113.48	5109.74	5103.93	5095.59	5086.24	5077.83	5071.68	5068.16
27.5	5065.53	5064.54	5061.95	5057.70	5050.65	5040.26	5028.45	5017.81	5011.43	5007.76
30.0	5012.90	5012.97	5010.82	5006.80	4999.75	4988.39	4975.52	4965.01	4958.67	4954.73
32.5	4898.58	4897.65	4895.66	4892.44	4886.43	4879.75	4874.97	4875.51	4880.35	4887.69
35.0	4784.25	4781.55	4777.59	4770.46	4761.18	4753.89	4751.69	4753.18	4757.58	4760.69
37.5	4670.16	4668.38	4664.96	4657.24	4646.66	4638.42	4635.72	4636.41	4635.99	4630.49
40.0	4556.07	4555.41	4552.62	4545.65	4534.59	4526.10	4523.75	4523.83	4520.85	4513.16
42.5	4441.42	4439.10	4433.49	4423.47	4412.94	4407.25	4406.02	4404.91	4400.56	4393.66
45.0	4326.76	4322.60	4313.50	4299.76	4290.03	4286.26	4283.34	4276.33	4266.12	4255.10
47.5	4137.59	4135.26	4129.21	4119.40	4115.26	4118.18	4121.53	4118.87	4114.40	4110.17
50.0	3948.41	3947.07	3942.36	3932.98	3929.44	3932.03	3933.71	3930.36	3924.76	3919.03
52.5	3758.23	3754.88	3746.18	3737.56	3736.77	3738.48	3737.68	3733.49	3728.96	3725.29
55.0	3568.05	3562.25	3549.89	3543.15	3543.78	3540.83	3534.38	3526.14	3517.93	3510.23
57.5	3378.97	3374.48	3362.70	3355.07	3356.06	3351.13	3340.36	3327.51	3313.31	3297.87
60.0	3189.90	3186.95	3175.91	3167.69	3170.23	3164.69	3151.97	3138.82	3123.12	3105.98
62.5	2817.29	2813.99	2808.61	2812.17	2824.90	2832.67	2839.37	2848.09	2859.26	2871.73
65.0	2444.68	2439.22	2434.61	2441.14	2450.30	2455.32	2461.16	2469.08	2482.12	2493.11
67.5	2073.15	2069.31	2066.66	2072.87	2081.81	2087.23	2092.79	2099.78	2112.84	2121.84
70.0	1701.61	1699.56	1699.06	1705.15	1714.80	1722.10	1729.09	1737.52	1754.24	1765.79
72.5	1329.13	1326.33	1328.61	1334.60	1342.85	1349.88	1358.29	1369.63	1391.70	1404.54
75.0	956.64	953.15	958.20	963.75	970.23	977.39	985.26	999.78	1023.11	1036.27
77.5	478.32	477.73	483.84	492.42	503.69	517.38	533.49	556.51	585.36	610.64
80.0	0.00	1.77	7.11	15.98	28.32	44.00	62.89	85.64	111.97	140.59
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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5317.20	5316.89	5316.58	5316.28	5315.99	5315.71	5315.43	5315.17	5314.93	5314.69
5.0	5313.93	5312.98	5312.07	5311.18	5310.33	5309.41	5308.20	5307.06	5306.00	5305.02
7.5	5311.77	5309.49	5307.16	5304.73	5301.36	5297.97	5294.55	5290.94	5286.80	5282.42
10.0	5309.94	5306.12	5302.03	5296.85	5291.40	5285.78	5279.59	5273.49	5267.49	5261.60
12.5	5301.25	5295.54	5289.61	5283.27	5277.11	5270.79	5262.78	5255.27	5248.05	5241.61
15.0	5282.66	5274.25	5266.04	5257.96	5250.96	5244.17	5238.64	5233.31	5229.03	5224.95
17.5	5246.65	5241.57	5239.08	5236.29	5229.41	5224.48	5218.94	5213.37	5207.84	5202.43
20.0	5189.79	5185.56	5184.05	5184.33	5185.39	5186.81	5187.85	5188.73	5179.81	5169.57
22.5	5131.08	5129.95	5130.16	5130.54	5130.58	5129.87	5128.00	5124.33	5120.03	5115.73
25.0	5066.84	5066.87	5067.26	5067.48	5067.58	5065.42	5062.92	5055.80	5048.75	5041.93
27.5	5004.65	5001.11	4997.19	4992.15	4986.81	4981.73	4977.45	4974.33	4972.47	4961.75
30.0	4950.14	4942.50	4930.97	4917.04	4902.08	4890.53	4882.78	4876.15	4870.90	4867.15

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CANDELA TABULATION - (Cont.)

32.5	4895.41	4883.74	4868.33	4851.30	4831.87	4813.93	4793.95	4773.40	4762.26	4755.09
35.0	4762.42	4762.52	4763.39	4764.14	4763.08	4740.05	4716.17	4691.35	4663.64	4640.58
37.5	4622.12	4620.45	4617.74	4616.11	4615.83	4617.48	4620.85	4608.09	4578.14	4547.48
40.0	4503.05	4491.87	4479.57	4466.43	4458.83	4456.21	4455.61	4457.81	4462.95	4453.17
42.5	4383.90	4370.72	4355.75	4339.88	4322.85	4304.81	4288.89	4282.76	4283.13	4287.62
45.0	4244.11	4233.00	4221.84	4211.90	4190.79	4171.37	4148.98	4125.54	4102.63	4096.44
47.5	4099.66	4080.91	4068.27	4052.64	4037.95	4024.55	4011.18	3983.43	3955.00	3921.94
50.0	3912.36	3905.12	3897.28	3888.30	3870.27	3850.62	3832.82	3817.94	3805.19	3772.06
52.5	3719.57	3710.17	3699.78	3688.09	3675.76	3662.18	3649.20	3626.78	3606.93	3589.93
55.0	3502.51	3495.73	3489.48	3484.26	3472.01	3451.22	3438.18	3420.17	3401.43	3376.54
57.5	3281.55	3267.40	3256.07	3243.93	3232.18	3227.82	3222.92	3203.84	3178.36	3148.78
60.0	3086.55	3065.37	3041.70	3013.42	2988.48	2974.62	2960.46	2947.87	2938.26	2917.51
62.5	2884.36	2870.32	2843.81	2811.81	2780.79	2747.97	2708.57	2670.12	2647.77	2630.78
65.0	2505.48	2518.44	2528.55	2540.20	2554.66	2540.35	2494.90	2445.05	2390.97	2337.50
67.5	2131.29	2138.83	2147.22	2157.64	2169.78	2180.59	2186.34	2188.31	2168.69	2113.33
70.0	1777.63	1786.94	1791.42	1796.30	1799.60	1800.45	1800.49	1803.12	1807.97	1816.80
72.5	1421.01	1434.30	1444.56	1451.30	1456.40	1462.44	1461.26	1456.43	1452.22	1453.96
75.0	1053.56	1064.91	1076.17	1086.04	1100.16	1116.70	1127.85	1140.97	1140.83	1148.39
77.5	639.40	664.03	689.13	710.79	737.73	756.09	773.77	789.49	809.73	829.28
80.0	171.83	203.88	237.17	269.90	307.73	344.09	381.13	416.89	456.86	491.55
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.90	61.76	107.79
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
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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5314.21	5314.20	5314.00	5313.74	5313.51	5313.29	5313.09	5312.91	5312.76	5312.62
5.0	5304.11	5303.04	5302.21	5301.13	5300.16	5299.31	5298.58	5297.95	5297.44	5297.04
7.5	5279.58	5276.32	5274.72	5272.47	5270.46	5268.67	5267.11	5264.67	5264.66	5263.74
10.0	5255.90	5249.14	5245.44	5240.93	5236.54	5234.49	5232.80	5231.61	5230.55	5229.65
12.5	5235.95	5230.64	5225.93	5221.57	5217.38	5213.32	5209.27	5206.03	5204.57	5202.45
15.0	5220.27	5214.61	5208.70	5202.66	5196.12	5190.03	5183.30	5176.66	5169.87	5165.58
17.5	5196.80	5191.48	5185.98	5177.73	5167.31	5155.99	5145.02	5134.20	5123.61	5113.58
20.0	5159.90	5150.21	5141.08	5132.50	5124.61	5112.91	5098.54	5084.17	5070.41	5057.25
22.5	5110.87	5098.08	5086.04	5074.77	5064.28	5054.92	5045.69	5027.39	5009.72	4992.46
25.0	5035.15	5028.52	5022.31	5007.88	4994.37	4982.44	4971.54	4961.88	4941.66	4920.27
27.5	4954.27	4944.47	4935.26	4924.18	4915.47	4900.25	4886.59	4874.86	4865.75	4839.98
30.0	4865.15	4856.47	4843.53	4828.84	4818.98	4807.72	4788.88	4776.34	4764.33	4751.86
32.5	4749.94	4746.92	4748.44	4728.29	4714.07	4699.03	4686.39	4667.90	4652.79	4640.91
35.0	4626.62	4619.81	4615.89	4612.13	4604.80	4584.49	4565.39	4548.30	4529.92	4515.36
37.5	4516.36	4486.00	4473.20	4472.53	4471.44	4464.62	4440.00	4417.46	4397.08	4379.17
40.0	4416.79	4379.89	4342.21	4319.48	4314.90	4314.90	4309.43	4279.91	4252.81	4230.24
42.5	4295.83	4272.32	4227.74	4183.23	4146.91	4142.48	4144.08	4135.26	4100.14	4067.94
45.0	4098.98	4106.28	4111.59	4058.04	4004.50	3956.93	3954.13	3958.65	3939.78	3898.60
47.5	3897.03	3895.12	3900.82	3912.75	3867.78	3805.39	3746.16	3746.52	3760.08	3723.11
50.0	3731.61	3696.03	3671.35	3676.59	3691.32	3658.02	3582.71	3524.33	3528.02	3529.48
52.5	3574.71	3526.97	3476.60	3429.41	3437.46	3453.51	3414.40	3324.68	3272.40	3286.31
55.0	3350.67	3328.94	3297.12	3241.30	3180.25	3167.36	3177.53	3140.25	3045.62	3019.47
57.5	3114.24	3084.22	3063.80	3048.64	2971.57	2904.70	2886.43	2911.08	2857.35	2756.84
60.0	2877.46	2840.90	2801.45	2765.93	2753.17	2703.79	2630.57	2609.72	2644.70	2566.41
62.5	2620.94	2605.19	2557.86	2506.40	2474.93	2461.95	2429.11	2351.58	2332.31	2379.00
65.0	2318.17	2311.47	2299.69	2272.41	2221.82	2175.54	2166.48	2146.08	2051.07	2035.87
67.5	2072.42	2027.83	1989.60	1981.80	1980.25	1935.16	1872.50	1852.57	1839.21	1724.92

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70.0	1834.08	1810.48	1747.22	1687.73	1656.13	1657.72	1640.91	1562.28	1526.17	1523.77
72.5	1469.91	1480.39	1485.27	1470.88	1408.51	1346.49	1324.66	1327.36	1265.24	1211.26
75.0	1151.70	1145.43	1134.87	1139.75	1145.68	1135.04	1068.15	998.06	1005.84	975.26
77.5	850.07	866.12	865.93	857.56	841.90	824.06	819.49	807.94	735.24	701.69
80.0	526.93	555.40	577.89	595.74	608.29	600.00	571.31	530.42	520.89	505.21
82.5	155.30	202.91	249.56	294.87	336.00	354.65	359.58	357.78	337.12	302.37
85.0	0.00	0.00	0.00	0.00	0.00	44.15	87.27	120.73	142.50	149.90
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>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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5312.50	5312.40	5312.31	5312.25	5312.21	5312.19	5312.18	5309.68	5307.20	5304.75
5.0	5296.75	5296.56	5295.80	5296.10	5296.41	5296.71	5297.02	5291.62	5286.23	5280.86
7.5	5263.03	5262.54	5262.27	5262.22	5262.39	5262.78	5263.40	5255.15	5247.14	5239.37
10.0	5228.92	5228.36	5227.98	5226.79	5227.37	5227.95	5228.53	5217.80	5207.08	5196.41
12.5	5202.43	5201.67	5201.25	5201.17	5201.42	5201.97	5202.81	5189.02	5175.55	5162.47
15.0	5163.68	5162.52	5162.05	5162.26	5162.03	5164.26	5166.50	5148.20	5129.94	5114.25
17.5	5107.34	5105.81	5105.05	5105.22	5106.30	5108.26	5111.09	5089.10	5068.02	5047.93
20.0	5044.45	5038.12	5037.32	5037.77	5037.21	5041.72	5046.23	5019.39	4992.62	4971.05
22.5	4976.19	4959.01	4958.35	4958.86	4960.99	4964.70	4969.93	4939.17	4910.02	4882.59
25.0	4899.83	4880.31	4867.78	4868.59	4871.46	4875.39	4883.10	4846.71	4814.18	4782.83
27.5	4814.31	4790.23	4767.83	4765.92	4769.37	4775.36	4783.82	4743.38	4705.51	4670.36
30.0	4720.96	4691.55	4664.04	4651.69	4655.89	4661.73	4673.44	4626.35	4585.24	4545.98
32.5	4619.57	4583.73	4547.78	4524.73	4529.52	4538.08	4550.33	4499.28	4452.02	4408.76
35.0	4504.49	4468.11	4428.35	4391.90	4392.53	4400.37	4416.73	4358.10	4308.09	4265.48
37.5	4366.40	4344.78	4298.16	4254.99	4244.18	4256.10	4273.28	4210.55	4153.18	4118.55
40.0	4214.60	4205.24	4157.84	4107.23	4082.95	4094.69	4118.47	4046.05	3985.69	3960.89
42.5	4047.78	4036.98	4006.98	3948.59	3907.95	3926.01	3951.45	3874.57	3805.10	3793.27
45.0	3865.73	3853.76	3846.37	3779.18	3718.76	3737.53	3773.37	3681.93	3607.26	3613.80
47.5	3675.48	3653.06	3649.28	3589.20	3516.22	3529.68	3569.36	3470.26	3397.18	3409.48
50.0	3473.34	3426.86	3420.05	3387.95	3301.43	3294.01	3345.29	3231.19	3175.40	3198.07
52.5	3264.76	3198.73	3180.10	3175.94	3076.18	3056.53	3108.86	2991.85	2944.59	2975.24
55.0	3043.45	2974.70	2926.67	2936.07	2850.43	2804.07	2866.27	2738.45	2716.91	2733.57
57.5	2767.97	2759.59	2685.14	2689.19	2631.61	2568.16	2630.42	2499.49	2491.69	2480.05
60.0	2491.31	2528.20	2458.05	2429.94	2404.45	2301.44	2384.36	2226.95	2257.59	2212.05
62.5	2245.56	2225.54	2222.30	2138.94	2158.97	2015.63	2110.56	1940.81	1999.42	1907.11
65.0	2037.25	1896.99	1955.27	1842.05	1871.71	1732.43	1822.42	1658.02	1716.80	1615.28
67.5	1734.27	1675.67	1621.05	1593.33	1560.80	1469.63	1535.19	1398.90	1416.49	1371.43
70.0	1399.63	1447.80	1316.30	1365.63	1264.71	1216.51	1262.70	1146.72	1125.70	1142.98
72.5	1211.63	1100.08	1117.41	1047.05	977.22	973.59	994.19	908.05	850.82	840.66
75.0	905.28	907.24	831.22	760.34	768.72	750.77	734.01	690.61	647.49	576.92
77.5	714.68	630.28	609.71	597.23	544.07	516.46	508.34	462.13	435.54	421.01
80.0	447.47	459.47	379.24	350.58	313.32	278.22	304.24	212.00	203.25	203.53
82.5	283.27	264.30	231.48	186.67	166.52	143.47	120.52	87.13	79.18	77.03
85.0	149.49	128.45	107.60	84.08	59.22	38.57	33.08	23.21	22.78	27.79
87.5	0.00	15.03	28.10	33.68	24.19	8.89	6.62	8.00	11.98	12.37
90.0	0.00	0.00	0.00	0.00	0.00	0.00	6.05	0.00	0.00	0.00

Vert. Angles **Horizontal 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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5302.33	5299.95	5297.62	5295.33	5293.10	5290.93	5288.82	5286.78	5284.81	5282.91

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CANDELA TABULATION - (Cont.)

5.0	5275.52	5271.29	5266.54	5261.96	5257.55	5253.34	5249.32	5245.52	5241.95	5238.60
7.5	5231.87	5224.64	5217.70	5211.05	5204.72	5197.59	5193.02	5187.72	5182.80	5178.28
10.0	5187.58	5178.01	5168.74	5159.76	5151.09	5142.74	5134.72	5127.29	5120.50	5115.89
12.5	5149.83	5137.67	5126.06	5113.83	5103.95	5093.61	5085.39	5078.28	5071.42	5064.97
15.0	5098.25	5083.09	5068.86	5055.61	5045.19	5037.97	5031.07	5024.72	5018.11	5012.27
17.5	5028.91	5011.03	4994.20	4982.52	4975.07	4968.60	4962.82	4957.74	4953.56	4949.46
20.0	4948.65	4927.75	4912.73	4904.61	4897.30	4891.12	4886.12	4881.79	4875.30	4865.44
22.5	4856.99	4832.83	4825.60	4817.88	4811.66	4806.46	4801.29	4789.95	4778.19	4768.37
25.0	4753.75	4738.22	4730.03	4723.34	4718.25	4712.66	4696.94	4683.28	4671.45	4662.01
27.5	4640.85	4632.19	4625.62	4621.13	4616.53	4597.32	4580.83	4566.91	4555.48	4538.05
30.0	4523.54	4516.62	4512.11	4509.74	4489.72	4470.07	4451.77	4438.50	4422.15	4402.77
32.5	4393.51	4391.56	4390.11	4375.03	4351.36	4331.76	4315.67	4295.58	4278.22	4261.31
35.0	4260.02	4258.45	4254.24	4225.62	4201.50	4182.13	4161.38	4143.95	4129.20	4102.98
37.5	4116.22	4117.78	4095.65	4065.74	4041.53	4020.03	4001.89	3986.92	3955.98	3920.91
40.0	3962.38	3961.47	3924.46	3894.23	3871.06	3852.46	3837.28	3801.00	3760.96	3726.86
42.5	3799.19	3778.51	3739.92	3710.72	3692.41	3678.37	3641.23	3595.37	3556.52	3548.65
45.0	3626.87	3581.28	3542.00	3519.55	3506.33	3474.42	3422.51	3378.77	3376.44	3381.70
47.5	3410.94	3357.58	3324.15	3315.92	3297.10	3230.32	3179.85	3190.22	3201.84	3194.44
50.0	3168.63	3115.42	3099.95	3093.90	3036.85	2977.22	2975.83	2997.85	2982.09	2914.39
52.5	2916.19	2870.57	2872.26	2833.47	2761.55	2749.26	2771.91	2749.93	2678.92	2616.92
55.0	2661.16	2638.97	2636.48	2554.09	2515.30	2537.74	2511.17	2441.83	2388.12	2376.68
57.5	2409.36	2414.06	2357.17	2283.43	2307.24	2289.37	2204.71	2157.54	2146.83	2140.56
60.0	2168.50	2162.85	2060.81	2069.58	2075.23	1976.80	1927.03	1924.13	1902.26	1849.10
62.5	1912.57	1850.29	1793.90	1844.64	1744.66	1694.45	1690.94	1653.34	1604.91	1561.48
65.0	1643.64	1521.11	1570.74	1502.87	1443.85	1454.83	1403.77	1344.80	1310.03	1270.65
67.5	1323.61	1298.77	1275.33	1202.74	1216.81	1158.36	1102.07	1072.21	1030.36	952.05
70.0	1027.80	1066.83	966.82	992.54	932.88	881.29	855.42	791.71	712.25	639.84
72.5	824.54	750.21	767.24	706.19	679.91	653.63	574.16	502.21	442.65	375.71
75.0	567.59	558.49	497.72	489.46	454.60	381.84	330.01	268.37	261.53	254.24
77.5	368.26	324.35	331.89	281.84	232.38	181.25	178.23	171.64	168.43	164.71
80.0	181.71	194.44	150.49	118.07	110.62	105.43	105.31	101.85	94.59	82.61
82.5	88.61	69.88	61.91	59.04	58.27	53.36	43.80	31.41	19.31	16.23
85.0	28.49	28.38	26.62	19.65	12.66	9.10	5.87	2.72	0.00	0.00
87.5	8.44	3.09	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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5281.10	5279.29	5277.35	5275.95	5274.38	5272.91	5271.52	5270.23	5269.04	5267.95
5.0	5235.50	5232.28	5229.49	5226.68	5224.10	5221.78	5219.70	5217.88	5215.92	5214.08
7.5	5174.16	5169.59	5166.90	5164.31	5162.93	5161.85	5160.61	5159.50	5158.66	5158.09
10.0	5111.76	5107.10	5105.74	5103.66	5102.07	5101.01	5100.41	5100.25	5100.06	5100.15
12.5	5059.01	5053.63	5048.93	5044.86	5041.84	5039.91	5038.64	5038.15	5037.43	5036.59
15.0	5006.25	5000.45	4994.74	4988.46	4981.84	4976.01	4971.27	4967.29	4964.72	4962.78
17.5	4943.81	4935.70	4928.24	4921.70	4915.58	4910.11	4905.00	4900.38	4895.76	4893.45
20.0	4857.01	4849.95	4844.24	4839.57	4836.30	4833.27	4821.13	4809.09	4795.94	4783.61
22.5	4760.15	4753.67	4746.41	4736.53	4724.19	4712.72	4702.42	4692.03	4681.42	4670.27
25.0	4653.77	4639.06	4624.86	4611.79	4599.97	4589.42	4580.04	4566.92	4555.83	4543.60
27.5	4524.19	4509.17	4495.84	4481.34	4471.15	4453.25	4437.65	4424.25	4412.91	4403.44
30.0	4389.15	4375.54	4358.90	4336.62	4317.30	4300.69	4286.65	4275.00	4268.40	4266.60
32.5	4249.05	4220.54	4195.86	4174.77	4156.99	4144.20	4142.05	4140.96	4139.24	4140.27
35.0	4074.65	4047.78	4025.02	4010.55	4006.22	4008.14	4008.57	4009.61	4011.55	3990.53
37.5	3887.01	3866.42	3865.44	3866.07	3867.80	3870.35	3855.53	3823.82	3795.85	3771.79
40.0	3711.36	3712.10	3715.08	3719.45	3696.26	3658.18	3624.55	3595.25	3569.82	3551.22

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CANDELA TABULATION - (Cont.)

42.5	3551.20	3555.98	3541.01	3495.37	3454.85	3419.46	3389.67	3375.57	3363.18	3352.31
45.0	3389.11	3339.37	3289.67	3246.11	3212.59	3197.35	3184.24	3172.47	3159.84	3151.48
47.5	3130.55	3076.41	3031.49	3013.08	3001.96	2989.41	2978.45	2957.02	2937.90	2921.95
50.0	2854.47	2822.97	2807.95	2801.17	2789.31	2761.03	2737.12	2717.50	2702.18	2683.58
52.5	2606.06	2595.03	2584.35	2557.42	2532.31	2510.31	2487.62	2439.02	2387.46	2338.26
55.0	2370.29	2343.21	2307.77	2281.69	2258.69	2209.48	2155.19	2097.61	2046.78	1993.13
57.5	2092.49	2052.75	2019.03	1972.63	1926.63	1877.32	1818.49	1750.71	1684.74	1625.22
60.0	1805.94	1751.81	1702.30	1653.65	1592.16	1524.64	1455.16	1386.29	1321.94	1265.25
62.5	1508.18	1449.71	1380.07	1306.72	1234.39	1163.34	1101.53	1039.05	979.56	922.00
65.0	1202.69	1119.20	1035.64	960.37	900.34	836.15	771.32	704.26	666.42	659.55
67.5	870.49	796.31	725.45	654.29	588.38	559.70	551.73	541.61	531.86	524.39
70.0	574.65	505.98	456.44	447.24	440.50	432.13	422.26	413.16	403.72	395.83
72.5	352.86	346.11	338.20	327.31	320.85	314.29	305.18	295.02	283.48	272.99
75.0	243.89	239.72	234.04	225.21	214.82	204.37	190.58	176.31	161.36	147.25
77.5	157.74	148.41	136.19	121.52	105.71	89.81	72.93	55.73	38.43	31.57
80.0	68.30	52.20	34.94	25.26	22.80	20.50	18.25	16.05	13.93	12.05
82.5	13.36	10.63	8.07	5.56	3.09	0.73	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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5266.96	5266.07	5265.29	5264.48	5263.85	5263.25	5262.76	5262.37	5262.10	5261.93
5.0	5212.46	5211.07	5209.91	5208.51	5207.79	5206.96	5206.36	5205.99	5203.94	5204.46
7.5	5156.92	5155.94	5155.22	5154.39	5153.38	5152.65	5151.90	5151.41	5151.02	5150.85
10.0	5100.38	5100.25	5100.26	5099.97	5099.30	5098.94	5098.06	5097.53	5096.94	5094.68
12.5	5036.41	5036.51	5037.03	5037.59	5038.22	5038.71	5039.09	5039.28	5039.50	5039.54
15.0	4962.59	4963.13	4964.79	4967.10	4970.12	4973.00	4976.13	4978.58	4980.37	4981.76
17.5	4885.88	4877.60	4872.64	4869.37	4866.48	4867.47	4867.38	4867.36	4867.07	4865.86
20.0	4772.33	4762.63	4755.35	4750.64	4748.30	4746.64	4748.52	4748.78	4748.31	4747.22
22.5	4658.92	4647.40	4636.79	4628.71	4623.29	4620.40	4619.74	4620.65	4622.08	4623.19
25.0	4531.97	4521.17	4511.18	4502.09	4494.74	4489.84	4487.89	4489.21	4492.85	4497.16
27.5	4395.53	4388.66	4383.65	4378.49	4372.25	4366.99	4365.20	4367.35	4372.47	4377.85
30.0	4265.74	4265.24	4264.24	4261.36	4255.54	4249.91	4246.81	4248.42	4253.85	4259.95
32.5	4140.86	4142.17	4143.37	4125.65	4107.22	4089.63	4075.08	4065.68	4062.21	4063.22
35.0	3968.33	3948.37	3931.46	3916.34	3902.48	3887.98	3875.10	3864.23	3858.00	3858.31
37.5	3750.72	3732.36	3715.09	3706.66	3698.78	3689.90	3679.80	3669.61	3662.79	3663.46
40.0	3539.99	3529.73	3520.27	3512.03	3504.40	3496.53	3487.17	3477.32	3469.76	3469.67
42.5	3342.72	3333.96	3325.44	3315.79	3305.73	3296.58	3287.86	3279.23	3271.23	3267.71
45.0	3135.61	3122.76	3111.47	3102.13	3094.54	3088.02	3082.43	3078.00	3072.01	3065.98
47.5	2909.72	2897.87	2893.12	2873.82	2840.52	2810.45	2783.82	2760.75	2738.90	2720.75
50.0	2638.38	2596.20	2556.73	2519.21	2484.22	2452.64	2424.56	2400.29	2377.56	2359.41
52.5	2291.05	2246.87	2205.30	2163.98	2124.54	2089.66	2059.38	2033.86	2011.31	1993.19
55.0	1936.91	1885.35	1837.93	1794.58	1755.09	1719.92	1689.84	1664.55	1644.17	1627.25
57.5	1569.46	1516.08	1469.28	1427.45	1389.61	1355.19	1325.65	1300.65	1280.66	1264.63
60.0	1213.54	1162.84	1115.75	1072.15	1032.28	996.04	964.83	938.88	918.14	902.30
62.5	867.86	814.29	774.77	767.53	761.00	754.64	749.87	746.09	743.72	742.31
65.0	652.39	644.94	636.52	628.89	621.96	615.42	609.94	605.81	602.91	601.23
67.5	515.95	506.65	499.95	492.66	485.58	479.03	473.12	468.45	464.92	462.42
70.0	387.47	379.24	369.82	360.91	352.50	344.71	337.82	332.05	327.54	324.18
72.5	261.88	250.89	239.21	228.38	218.35	209.19	201.16	194.25	188.84	184.67
75.0	133.24	119.77	106.72	94.52	83.26	73.08	64.15	56.44	50.06	45.15
77.5	29.65	27.90	26.43	25.08	23.86	22.76	21.85	21.05	20.39	19.95

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CANDELA TABULATION - (Cont.)

80.0	10.24	8.58	7.11	5.78	4.57	3.50	2.58	1.79	1.15	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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5261.86	5261.91	5262.06	5262.15	5262.34	5262.64	5263.05	5263.56	5264.17	5264.88
5.0	5204.98	5205.51	5206.03	5206.25	5206.46	5206.68	5206.89	5209.63	5210.56	5211.75
7.5	5150.62	5150.65	5150.99	5151.13	5151.59	5152.37	5153.02	5153.96	5155.23	5156.52
10.0	5095.41	5095.68	5095.95	5095.49	5095.02	5094.15	5096.48	5097.19	5098.03	5099.33
12.5	5039.82	5039.86	5040.29	5040.32	5040.89	5040.95	5041.45	5041.97	5042.70	5043.50
15.0	4981.61	4983.39	4984.63	4984.79	4984.46	4986.21	4986.55	4987.14	4987.81	4988.40
17.5	4864.95	4864.56	4864.82	4865.37	4866.65	4868.74	4871.71	4875.29	4879.74	4885.12
20.0	4742.67	4744.36	4745.00	4744.33	4742.66	4747.71	4750.13	4753.26	4757.71	4761.69
22.5	4623.33	4623.73	4624.43	4625.58	4627.28	4629.50	4632.16	4635.07	4638.29	4641.93
25.0	4496.25	4501.09	4503.86	4505.12	4504.83	4511.75	4515.01	4518.29	4521.57	4525.08
27.5	4381.23	4382.92	4384.55	4386.44	4388.58	4390.90	4393.36	4395.90	4398.77	4402.26
30.0	4258.40	4262.77	4265.24	4265.55	4263.55	4269.38	4270.38	4270.88	4271.73	4273.00
32.5	4065.01	4066.12	4067.84	4070.67	4074.95	4080.39	4085.94	4092.60	4100.51	4109.06
35.0	3863.29	3865.35	3870.43	3872.02	3879.12	3884.77	3891.09	3898.19	3906.16	3915.14
37.5	3669.06	3672.43	3674.53	3676.97	3680.79	3684.78	3690.79	3696.86	3705.95	3713.65
40.0	3475.17	3475.60	3478.63	3477.62	3481.47	3483.86	3487.36	3492.61	3498.00	3502.46
42.5	3272.39	3278.38	3281.49	3283.38	3285.52	3288.21	3290.71	3294.59	3298.94	3296.83
45.0	3069.02	3076.60	3084.35	3084.96	3089.85	3092.34	3096.06	3099.85	3102.57	3100.52
47.5	2714.33	2716.77	2718.65	2722.33	2729.82	2741.41	2757.70	2778.88	2802.06	2824.78
50.0	2353.09	2349.06	2352.95	2351.68	2362.20	2373.42	2389.20	2409.53	2430.57	2457.74
52.5	1984.85	1984.52	1986.24	1989.98	1997.65	2009.95	2026.30	2046.70	2068.18	2097.63
55.0	1617.05	1611.96	1619.53	1620.65	1633.53	1647.15	1664.77	1686.97	1712.44	1743.31
57.5	1253.75	1251.49	1253.86	1258.09	1267.26	1281.26	1299.06	1323.99	1352.13	1385.21
60.0	877.14	883.91	888.19	888.34	887.28	914.96	932.82	959.91	989.40	1023.50
62.5	741.49	742.94	746.26	748.06	751.05	754.70	758.14	766.44	773.33	779.63
65.0	595.80	599.54	604.33	605.26	604.77	613.77	617.62	625.45	633.29	640.43
67.5	461.07	460.95	463.13	464.68	467.50	471.40	475.68	483.47	491.31	499.17
70.0	317.84	320.25	321.92	321.91	321.47	328.92	333.70	341.01	348.58	356.43
72.5	181.64	180.33	180.35	181.22	183.64	187.18	192.30	199.31	206.89	215.34
75.0	38.48	38.69	38.78	38.76	38.73	45.63	50.91	57.82	65.96	75.20
77.5	19.59	19.43	19.39	19.47	19.72	20.15	20.73	21.55	22.46	23.41
80.0	0.00	0.00	0.00	0.00	0.00	0.00	1.17	1.83	2.65	3.60
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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5265.68	5266.59	5267.57	5268.45	5269.48	5270.61	5271.83	5273.14	5274.53	5276.00
5.0	5213.13	5214.70	5216.32	5218.00	5219.87	5221.92	5224.16	5226.66	5228.86	5231.39
7.5	5158.06	5159.95	5161.96	5164.15	5166.68	5169.65	5172.35	5175.53	5179.06	5183.22
10.0	5100.53	5102.20	5104.05	5106.10	5108.66	5111.26	5114.34	5118.42	5121.46	5125.61
12.5	5044.41	5045.40	5046.50	5047.73	5049.15	5050.68	5052.49	5053.81	5058.18	5062.15

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CANDELA TABULATION - (Cont.)

15.0	4989.75	4989.69	4990.41	4991.28	4992.12	4993.32	4994.37	4996.74	4997.41	5000.41
17.5	4891.29	4898.36	4906.60	4916.03	4926.29	4934.65	4935.16	4935.54	4936.22	4936.77
20.0	4767.19	4773.75	4781.44	4791.49	4800.44	4811.72	4824.33	4838.74	4853.48	4870.07
22.5	4646.06	4650.73	4656.01	4661.96	4670.59	4679.78	4690.24	4701.65	4714.39	4728.50
25.0	4528.94	4533.17	4537.84	4542.84	4547.61	4551.46	4554.79	4556.30	4564.59	4579.57
27.5	4407.45	4411.30	4417.36	4422.54	4424.62	4425.01	4425.34	4428.38	4435.72	4447.13
30.0	4275.02	4278.25	4279.76	4281.38	4283.55	4287.76	4295.46	4304.34	4314.68	4327.10
32.5	4118.76	4128.16	4135.32	4132.23	4134.25	4142.08	4154.05	4170.44	4184.43	4201.95
35.0	3923.84	3931.20	3938.50	3947.94	3965.83	3990.51	4013.55	4023.25	4034.08	4047.56
37.5	3723.23	3732.73	3743.32	3756.10	3776.03	3801.90	3823.00	3844.79	3868.86	3884.24
40.0	3508.20	3518.68	3533.27	3552.56	3576.90	3604.47	3627.12	3647.89	3667.38	3689.29
42.5	3299.17	3308.73	3323.48	3341.73	3362.64	3384.29	3407.78	3434.42	3464.60	3484.76
45.0	3103.18	3115.55	3128.57	3141.44	3150.73	3160.19	3178.19	3200.48	3227.35	3254.44
47.5	2860.55	2907.72	2935.31	2944.20	2952.20	2959.34	2967.05	2972.83	2977.98	3003.36
50.0	2497.22	2543.10	2588.43	2638.54	2691.87	2748.37	2764.50	2764.18	2763.03	2772.69
52.5	2136.13	2175.77	2218.90	2267.77	2320.73	2376.29	2436.95	2491.17	2545.82	2560.60
55.0	1781.98	1822.54	1865.01	1910.54	1958.84	2007.25	2059.86	2116.73	2186.29	2262.78
57.5	1425.07	1468.32	1513.72	1562.09	1612.64	1662.86	1710.85	1764.48	1824.35	1895.67
60.0	1061.59	1103.84	1150.70	1204.52	1259.65	1317.66	1374.31	1430.71	1491.57	1555.10
62.5	786.18	791.20	799.96	843.24	899.21	959.15	1019.43	1084.02	1157.97	1231.11
65.0	648.15	654.38	663.62	673.20	681.15	688.69	691.91	733.25	811.25	884.40
67.5	507.80	516.14	527.26	537.51	548.32	557.46	562.78	572.70	584.32	587.54
70.0	365.46	374.86	386.81	398.43	410.73	422.45	432.23	446.73	460.68	466.38
72.5	224.92	235.14	247.33	259.16	271.58	284.60	297.31	314.34	328.64	340.63
75.0	85.76	97.45	110.47	123.87	138.16	152.37	167.63	184.34	198.52	212.86
77.5	24.62	25.93	27.36	28.93	30.66	32.67	40.00	57.90	75.76	93.57
80.0	4.71	5.97	7.36	8.90	10.59	12.47	14.47	16.58	18.88	21.25
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76
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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5277.56	5279.19	5280.89	5282.66	5284.57	5286.26	5288.15	5290.10	5292.11	5294.17
5.0	5234.08	5236.92	5239.93	5243.08	5246.73	5249.49	5252.89	5256.43	5260.10	5263.90
7.5	5186.71	5190.92	5194.99	5199.08	5203.19	5207.46	5211.97	5216.70	5221.64	5226.80
10.0	5130.72	5134.91	5140.15	5145.89	5151.89	5158.26	5165.13	5170.84	5177.31	5182.64
12.5	5066.82	5071.96	5077.57	5083.90	5090.62	5097.91	5105.92	5115.57	5123.51	5132.24
15.0	5001.27	5003.75	5007.43	5013.71	5020.49	5028.03	5036.66	5045.56	5055.58	5066.82
17.5	4937.38	4938.05	4938.16	4938.17	4937.73	4941.30	4951.69	4957.75	4968.09	4979.84
20.0	4868.87	4864.81	4860.90	4856.85	4854.05	4852.70	4853.37	4860.97	4874.65	4887.41
22.5	4743.75	4761.04	4776.63	4773.21	4772.05	4773.51	4777.01	4782.04	4786.71	4804.25
25.0	4597.52	4618.17	4641.77	4668.31	4696.35	4699.16	4701.83	4705.77	4707.95	4711.69
27.5	4462.72	4482.43	4507.23	4534.61	4564.82	4597.73	4617.35	4615.24	4613.83	4613.90
30.0	4339.79	4352.40	4364.88	4385.69	4413.92	4445.36	4480.07	4514.66	4511.75	4508.96
32.5	4212.58	4221.34	4230.24	4240.19	4251.69	4282.00	4317.24	4356.70	4400.58	4397.08
35.0	4063.38	4082.30	4094.29	4101.69	4108.96	4118.65	4143.34	4183.02	4227.71	4277.57
37.5	3896.17	3911.41	3930.48	3953.61	3959.91	3967.16	3976.42	3996.99	4041.59	4092.95
40.0	3714.44	3733.97	3749.97	3770.31	3795.24	3811.23	3814.83	3820.09	3840.00	3892.25
42.5	3505.34	3528.90	3556.28	3577.15	3595.89	3620.56	3644.09	3646.53	3651.57	3675.30
45.0	3289.22	3315.75	3340.26	3360.20	3381.59	3409.16	3443.28	3476.45	3478.38	3484.19
47.5	3039.09	3079.76	3121.30	3137.97	3165.24	3203.35	3234.81	3267.55	3303.84	3302.95
50.0	2787.49	2817.38	2854.09	2900.67	2947.27	2977.68	3004.98	3033.03	3071.61	3111.05

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CANDELA TABULATION - (Cont.)

52.5	2570.44	2576.69	2584.13	2632.19	2683.90	2743.83	2762.72	2782.94	2812.95	2858.70
55.0	2339.24	2358.69	2363.22	2368.91	2393.27	2444.67	2505.82	2535.25	2553.90	2589.13
57.5	1969.94	2045.12	2121.40	2136.14	2138.42	2144.82	2205.29	2272.39	2308.95	2317.56
60.0	1612.88	1674.80	1752.91	1832.21	1900.76	1913.21	1923.88	1958.85	2027.13	2069.83
62.5	1290.37	1347.75	1406.47	1467.93	1556.44	1650.70	1686.93	1679.72	1709.60	1799.22
65.0	957.21	1034.00	1099.31	1159.84	1223.09	1290.81	1372.70	1444.18	1448.48	1469.77
67.5	617.12	698.17	778.61	858.36	929.42	982.95	1029.87	1113.57	1200.92	1218.71
70.0	473.63	479.33	483.23	531.52	617.49	697.00	762.13	815.49	873.92	952.78
72.5	354.75	366.43	372.18	372.83	372.48	390.61	477.69	560.57	616.71	659.15
75.0	229.28	243.73	255.38	267.92	275.63	277.59	277.93	285.56	374.93	451.95
77.5	110.79	127.29	140.90	153.97	167.79	180.78	191.63	201.87	210.29	215.38
80.0	23.67	26.18	36.45	54.48	70.83	85.63	98.87	114.37	130.33	145.28
82.5	3.21	5.77	8.45	11.28	14.31	17.43	20.66	33.95	49.30	63.16
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89	6.14	9.64
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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5296.29	5298.45	5300.65	5302.90	5305.18	5307.49	5309.82	5312.18	5314.56	5314.69
5.0	5267.81	5271.84	5275.98	5280.21	5284.54	5288.96	5293.45	5298.01	5302.64	5303.03
7.5	5232.54	5237.49	5243.10	5248.92	5254.93	5261.13	5267.51	5274.06	5280.77	5281.63
10.0	5188.96	5195.61	5202.59	5209.87	5217.46	5225.34	5233.50	5241.94	5250.64	5252.11
12.5	5139.26	5146.73	5155.69	5162.68	5171.31	5180.41	5189.98	5200.00	5210.47	5212.84
15.0	5080.64	5087.86	5095.29	5103.37	5112.13	5121.58	5131.74	5142.62	5154.24	5158.35
17.5	4992.76	5006.93	5018.49	5028.43	5035.42	5045.59	5056.84	5069.15	5082.45	5087.73
20.0	4902.50	4919.54	4936.51	4950.94	4963.00	4976.18	4990.43	5005.70	5021.92	5026.82
22.5	4823.34	4839.86	4860.17	4882.22	4896.44	4910.44	4925.61	4942.01	4959.64	4966.01
25.0	4727.34	4747.31	4772.95	4794.14	4815.77	4828.63	4843.16	4859.41	4877.44	4886.73
27.5	4615.55	4635.56	4659.60	4686.59	4718.20	4731.08	4745.48	4762.12	4781.04	4792.61
30.0	4509.26	4511.63	4537.73	4567.05	4599.79	4624.00	4638.35	4655.38	4675.12	4689.02
32.5	4392.75	4390.65	4402.84	4434.71	4470.87	4506.02	4519.16	4535.63	4555.52	4572.60
35.0	4269.15	4263.53	4260.56	4292.31	4328.41	4372.53	4389.27	4405.16	4425.04	4445.44
37.5	4138.49	4127.56	4120.55	4126.49	4169.26	4218.71	4245.43	4259.50	4278.64	4303.87
40.0	3950.92	3975.85	3958.56	3946.96	3987.11	4041.22	4079.00	4088.20	4103.58	4136.61
42.5	3732.25	3795.41	3797.42	3787.65	3806.17	3863.26	3909.57	3919.54	3935.84	3968.41
45.0	3521.30	3590.46	3653.96	3630.46	3619.88	3677.89	3745.99	3753.16	3767.32	3806.44
47.5	3304.52	3361.50	3443.62	3454.23	3425.02	3467.74	3545.02	3558.71	3567.58	3618.23
50.0	3101.60	3102.61	3185.84	3253.93	3218.37	3231.44	3316.66	3342.89	3347.24	3407.01
52.5	2886.28	2873.78	2913.56	3008.27	3004.29	2983.95	3074.62	3115.28	3114.55	3181.97
55.0	2643.02	2652.83	2639.96	2732.18	2792.69	2748.66	2824.32	2883.98	2878.72	2951.93
57.5	2359.79	2428.71	2419.06	2444.18	2558.98	2523.21	2567.64	2642.11	2624.73	2711.23
60.0	2096.65	2148.02	2195.48	2173.98	2279.45	2307.20	2302.93	2407.30	2387.39	2478.27
62.5	1839.72	1838.45	1917.95	1927.38	1956.81	2060.19	2015.06	2145.31	2106.10	2223.80
65.0	1555.37	1577.32	1597.39	1686.49	1639.18	1772.30	1715.34	1851.34	1804.50	1935.78
67.5	1215.71	1309.12	1328.99	1377.28	1406.08	1449.88	1472.68	1550.52	1527.16	1624.91
70.0	987.63	993.36	1095.18	1080.03	1173.95	1133.09	1231.55	1257.71	1244.86	1332.82
72.5	730.96	773.17	778.72	876.38	876.93	912.93	992.87	971.64	983.53	1041.59
75.0	483.20	527.63	576.71	593.64	655.83	701.40	692.09	698.27	732.68	760.97
77.5	291.02	336.07	354.95	411.24	427.55	438.52	464.39	484.31	502.54	543.61
80.0	150.51	155.98	211.16	216.83	257.81	282.12	303.24	316.04	266.13	380.48
82.5	76.43	88.07	87.39	93.68	116.31	137.90	134.89	114.39	101.60	165.07
85.0	13.16	22.24	30.82	38.36	40.15	48.64	48.35	39.37	30.25	67.82
87.5	0.00	0.00	0.00	3.18	8.89	13.25	14.51	12.09	8.12	25.96

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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 8.91 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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5314.83	5314.99	5315.16	5315.34	5315.53	5315.74	5315.95	5316.17	5316.40	5316.64
5.0	5303.47	5303.97	5304.51	5305.10	5305.74	5306.42	5307.14	5307.90	5308.69	5309.52
7.5	5282.64	5283.78	5285.06	5286.47	5288.00	5289.65	5291.85	5293.14	5294.87	5296.67
10.0	5253.81	5255.75	5257.91	5260.28	5262.85	5265.60	5268.52	5271.61	5275.50	5278.07
12.5	5215.63	5218.81	5222.37	5226.28	5231.67	5234.96	5239.55	5244.37	5247.27	5250.67
15.0	5163.15	5168.58	5174.60	5181.13	5188.12	5195.51	5202.84	5203.52	5206.36	5209.99
17.5	5093.98	5101.21	5109.43	5120.75	5128.80	5134.91	5138.14	5142.42	5147.44	5153.40
20.0	5032.64	5039.40	5047.12	5055.81	5061.87	5065.05	5067.90	5072.43	5079.02	5084.33
22.5	4973.54	4982.15	4991.71	5000.81	5001.95	5004.37	5009.97	5012.77	5018.57	5033.11
25.0	4897.72	4910.26	4924.24	4929.17	4934.18	4934.26	4939.48	4948.41	4967.53	4987.52
27.5	4806.38	4822.24	4839.37	4837.31	4839.51	4844.24	4851.67	4878.14	4904.70	4931.79
30.0	4705.54	4724.54	4733.36	4733.21	4736.02	4741.53	4770.43	4800.75	4833.35	4865.94
32.5	4592.98	4616.51	4617.51	4617.06	4620.45	4643.00	4679.08	4716.61	4754.66	4741.60
35.0	4469.71	4492.86	4488.03	4490.81	4497.39	4538.52	4581.53	4626.45	4612.70	4603.28
37.5	4333.86	4350.93	4345.16	4344.68	4378.77	4426.12	4477.09	4472.43	4460.43	4453.37
40.0	4175.83	4184.83	4177.40	4185.30	4244.64	4305.44	4320.70	4304.74	4295.45	4316.86
42.5	4007.32	4008.68	3998.81	4030.23	4094.59	4147.73	4128.12	4115.14	4140.57	4184.14
45.0	3852.19	3836.96	3830.43	3889.25	3960.79	3949.30	3929.20	3939.77	3986.44	4040.25
47.5	3663.62	3644.95	3659.15	3741.93	3783.03	3754.31	3748.61	3794.22	3841.45	3851.49
50.0	3444.22	3421.18	3471.20	3569.31	3557.76	3531.18	3586.93	3648.05	3657.68	3665.64
52.5	3206.35	3179.16	3270.83	3341.86	3303.67	3325.58	3403.74	3434.51	3444.21	3469.07
55.0	2959.63	2950.01	3063.96	3067.59	3037.80	3123.76	3178.87	3183.94	3215.20	3265.79
57.5	2700.17	2728.03	2845.92	2786.99	2827.95	2913.46	2908.00	2933.48	2995.41	3026.86
60.0	2446.81	2513.45	2555.32	2520.61	2619.60	2634.27	2646.62	2709.94	2738.30	2730.69
62.5	2169.12	2295.29	2264.32	2311.42	2371.36	2362.34	2421.74	2455.76	2436.53	2480.38
65.0	1875.69	2026.40	1954.49	2093.38	2077.72	2125.53	2166.37	2140.12	2203.86	2287.72
67.5	1620.55	1676.81	1710.73	1757.66	1793.51	1857.91	1818.19	1915.65	1983.72	1961.43
70.0	1388.23	1348.23	1481.86	1458.39	1545.87	1505.98	1594.46	1643.00	1629.06	1665.48
72.5	1137.29	1120.86	1148.23	1240.05	1197.08	1293.52	1317.52	1299.99	1370.83	1422.10
75.0	827.17	908.81	924.90	909.82	995.38	991.56	1026.31	1094.92	1092.05	1097.00
77.5	584.84	620.51	662.04	718.79	695.08	764.76	794.12	793.47	815.76	847.06
80.0	419.60	446.25	478.04	451.59	519.94	507.06	546.94	578.61	561.96	545.17
82.5	229.43	269.91	265.64	270.09	303.13	329.44	317.87	311.65	307.51	299.32
85.0	110.41	118.85	125.31	136.17	134.67	138.27	127.65	102.84	72.08	36.89
87.5	31.25	34.15	35.28	17.42	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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5316.89	5317.15	5317.54	5317.65	5317.83	5318.01	5318.19	5318.36	5318.53	5318.71
5.0	5310.38	5311.26	5312.67	5313.06	5313.82	5314.59	5315.37	5316.15	5316.94	5317.88
7.5	5298.53	5300.44	5302.40	5304.31	5306.06	5307.68	5308.79	5310.44	5311.22	5312.38
10.0	5281.24	5282.91	5284.88	5286.96	5289.01	5291.27	5294.26	5296.02	5298.40	5301.54
12.5	5252.12	5254.88	5258.03	5261.39	5264.78	5268.51	5272.30	5276.13	5280.24	5284.15
15.0	5214.31	5218.55	5223.41	5228.58	5233.83	5241.13	5249.28	5258.51	5265.11	5273.45
17.5	5163.25	5168.03	5178.77	5192.61	5205.40	5217.60	5228.83	5239.67	5250.13	5259.90
20.0	5095.68	5113.57	5132.60	5151.86	5170.97	5188.74	5205.64	5219.93	5216.91	5215.45
22.5	5048.99	5066.15	5085.25	5106.40	5130.73	5131.84	5132.35	5133.99	5135.35	5137.05

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

25.0	5005.81	5024.99	5044.31	5038.50	5033.90	5031.88	5032.46	5035.37	5040.59	5050.72
27.5	4957.86	4962.28	4953.98	4947.76	4943.28	4940.33	4941.85	4948.89	4961.29	4976.94
30.0	4859.23	4852.71	4848.49	4846.38	4850.18	4860.21	4869.11	4877.95	4888.58	4903.50
32.5	4734.07	4729.83	4730.35	4746.37	4763.97	4780.82	4795.25	4805.97	4809.43	4816.89
35.0	4597.78	4606.47	4629.57	4653.81	4675.77	4691.89	4699.45	4708.07	4716.93	4725.74
37.5	4469.91	4496.88	4524.27	4552.58	4559.81	4570.51	4583.29	4598.14	4610.89	4613.68
40.0	4349.81	4383.60	4404.20	4413.74	4426.49	4442.21	4456.85	4465.16	4475.08	4485.81
42.5	4225.92	4241.15	4252.36	4267.68	4284.12	4297.51	4311.54	4326.14	4342.36	4339.53
45.0	4055.40	4070.71	4090.64	4109.48	4128.82	4148.09	4162.54	4162.93	4168.09	4172.27
47.5	3862.34	3881.86	3913.91	3942.73	3971.40	3969.32	3973.08	3979.75	3988.80	4013.86
50.0	3681.18	3704.45	3736.98	3751.20	3752.21	3759.91	3777.09	3814.01	3846.50	3877.66
52.5	3500.73	3531.10	3523.04	3525.11	3531.23	3572.37	3621.73	3667.56	3706.39	3700.78
55.0	3297.38	3289.06	3290.41	3321.71	3367.64	3411.17	3451.28	3453.94	3452.99	3451.22
57.5	3021.92	3031.83	3095.02	3155.56	3198.21	3182.97	3177.20	3183.12	3197.99	3218.89
60.0	2760.45	2838.70	2913.93	2912.50	2904.48	2902.37	2921.47	2952.86	2986.91	3010.57
62.5	2564.25	2602.87	2598.02	2597.51	2627.00	2665.36	2705.08	2742.95	2766.10	2779.23
65.0	2280.04	2273.85	2294.89	2347.17	2397.92	2430.96	2452.88	2478.94	2507.73	2531.64
67.5	1954.03	2011.39	2064.93	2098.55	2121.23	2142.37	2165.57	2189.62	2197.71	2195.86
70.0	1718.96	1760.76	1779.24	1796.14	1814.80	1829.74	1836.51	1848.30	1852.04	1842.40
72.5	1424.59	1433.65	1472.40	1488.93	1494.62	1505.15	1493.23	1484.83	1474.73	1456.74
75.0	1128.65	1148.95	1179.95	1169.63	1149.87	1131.95	1121.70	1109.10	1101.98	1088.13
77.5	852.05	838.59	828.41	815.44	806.00	789.97	780.24	771.90	760.50	738.28
80.0	538.76	536.76	528.04	516.56	499.07	467.21	437.89	409.75	376.06	336.79
82.5	286.24	258.29	225.30	187.31	146.61	102.38	59.01	14.65	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	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5318.87	5319.04	5319.20	5319.36	5319.59	5319.61	5319.60	5319.59	5319.57	5319.54
5.0	5318.34	5318.89	5319.44	5319.97	5320.50	5320.89	5321.10	5321.30	5321.48	5321.69
7.5	5313.62	5315.05	5315.98	5317.06	5318.20	5319.21	5320.06	5320.94	5321.76	5322.24
10.0	5303.26	5305.60	5308.05	5310.17	5312.40	5314.51	5316.45	5318.46	5319.99	5321.58
12.5	5289.42	5294.36	5299.11	5303.44	5307.43	5311.11	5314.48	5317.52	5320.24	5322.50
15.0	5279.62	5286.53	5292.79	5298.82	5304.14	5309.02	5314.02	5317.37	5320.94	5323.90
17.5	5269.32	5277.91	5278.96	5277.73	5276.65	5275.90	5275.48	5275.15	5275.08	5275.28
20.0	5213.74	5212.90	5212.55	5213.51	5212.62	5213.27	5214.30	5215.52	5217.20	5217.76
22.5	5138.92	5140.73	5142.94	5145.21	5149.03	5152.56	5156.05	5159.33	5162.13	5164.44
25.0	5064.15	5073.46	5081.17	5087.42	5092.79	5097.47	5101.91	5106.12	5109.59	5112.37
27.5	4993.45	5008.43	5020.41	5029.41	5035.10	5039.07	5043.90	5047.07	5051.17	5054.73
30.0	4918.85	4931.17	4943.17	4953.92	4962.97	4970.97	4976.81	4982.64	4988.62	4994.65
32.5	4823.48	4836.47	4852.59	4869.65	4885.89	4890.28	4891.75	4892.47	4893.33	4894.68
35.0	4734.45	4736.53	4742.91	4754.00	4766.40	4773.43	4777.40	4779.43	4780.91	4782.88
37.5	4615.04	4617.77	4620.26	4631.01	4644.63	4653.21	4657.90	4659.58	4662.15	4663.62
40.0	4491.01	4491.96	4489.85	4492.68	4500.25	4511.34	4522.82	4531.20	4536.50	4541.22
42.5	4341.56	4344.14	4346.77	4349.61	4355.37	4368.99	4390.35	4407.70	4419.57	4425.97
45.0	4179.96	4190.79	4208.78	4223.31	4233.10	4249.36	4272.82	4292.87	4305.35	4314.00
47.5	4039.31	4062.09	4084.63	4102.33	4114.82	4121.46	4126.49	4133.86	4137.31	4137.87
50.0	3909.05	3927.45	3923.19	3919.85	3914.46	3911.13	3911.99	3920.48	3930.02	3936.51
52.5	3699.64	3694.83	3694.75	3696.97	3699.07	3701.79	3706.56	3716.84	3732.64	3744.27
55.0	3455.77	3463.58	3477.80	3491.21	3503.25	3511.34	3517.09	3526.05	3542.37	3555.49
57.5	3241.76	3262.79	3280.13	3295.97	3310.12	3317.12	3322.22	3327.34	3339.33	3355.27
60.0	3036.45	3054.19	3066.38	3078.88	3091.24	3102.94	3114.11	3122.42	3129.10	3149.75

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

62.5	2790.86	2813.53	2834.78	2852.98	2864.36	2854.16	2844.90	2831.94	2820.05	2823.97
65.0	2532.11	2526.46	2524.59	2514.88	2504.61	2494.54	2485.56	2470.66	2459.30	2459.36
67.5	2181.20	2173.22	2169.85	2158.91	2143.30	2129.74	2116.84	2102.32	2089.45	2085.90
70.0	1821.46	1803.00	1794.69	1779.63	1764.21	1752.96	1740.40	1728.61	1717.14	1710.11
72.5	1442.51	1422.47	1411.21	1403.85	1391.18	1380.72	1372.09	1361.45	1350.89	1342.54
75.0	1079.40	1064.66	1055.29	1045.47	1031.69	1019.79	1009.34	998.13	987.88	977.53
77.5	730.27	704.32	680.16	654.49	625.73	601.24	578.13	556.23	536.18	518.08
80.0	303.36	268.03	234.01	201.20	168.27	138.23	110.62	85.43	63.21	44.07
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. Horizontal Angles
Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	5318.09	5318.09	5318.09	5318.09	5318.09
2.5	5319.52	5319.48	5319.44	5319.40	5319.36
5.0	5321.58	5321.36	5321.12	5320.88	5320.63
7.5	5322.74	5323.20	5323.16	5323.11	5323.06
10.0	5322.84	5323.92	5324.78	5325.14	5325.49
12.5	5324.45	5325.75	5326.90	5326.95	5326.97
15.0	5326.23	5328.09	5328.84	5328.92	5328.45
17.5	5275.71	5275.96	5276.15	5276.23	5276.11
20.0	5219.05	5220.43	5221.82	5223.02	5223.76
22.5	5166.49	5168.33	5169.87	5170.82	5170.96
25.0	5114.66	5116.61	5118.11	5118.77	5118.15
27.5	5057.81	5060.55	5062.97	5064.78	5065.53
30.0	4999.72	5003.85	5007.47	5010.70	5012.90
32.5	4895.69	4896.67	4897.23	4898.05	4898.58
35.0	4783.91	4784.53	4785.10	4785.02	4784.25
37.5	4666.47	4667.40	4669.24	4669.98	4670.16
40.0	4545.72	4549.45	4552.46	4554.82	4556.07
42.5	4432.34	4437.35	4439.99	4441.56	4441.42
45.0	4321.35	4325.11	4327.95	4328.47	4326.76
47.5	4138.32	4138.54	4138.84	4138.75	4137.58
50.0	3940.17	3943.40	3945.96	3948.05	3948.41
52.5	3750.31	3754.81	3757.83	3759.26	3758.23
55.0	3562.27	3566.94	3570.44	3570.61	3568.05
57.5	3364.91	3371.66	3376.78	3379.55	3378.97
60.0	3165.44	3175.35	3183.19	3188.46	3189.90
62.5	2823.97	2821.74	2820.24	2819.05	2817.29
65.0	2458.11	2453.83	2450.86	2448.03	2444.68
67.5	2082.80	2079.63	2076.93	2075.00	2073.14
70.0	1706.79	1705.16	1702.82	1701.92	1701.61
72.5	1337.86	1334.98	1332.22	1330.40	1329.12
75.0	970.00	965.62	961.82	958.93	956.64
77.5	503.72	493.43	485.65	480.65	478.32
80.0	28.31	16.01	7.14	1.79	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	1949.59	13.30	13.30
0-30	4175.13	28.50	28.50
0-40	6902.91	47.20	47.20
0-60	12218.39	83.50	83.50
0-80	14571.21	99.60	99.60
0-90	14625.01	100.00	100.00
10-90	14123.64	96.60	96.60
20-40	4953.32	33.90	33.90
20-50	7801.76	53.30	53.30
40-70	6978.01	47.70	47.70
60-80	2352.83	16.10	16.10
70-80	690.29	4.70	4.70
80-90	53.79	0.40	0.40
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	14625.01	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	501.36
10-20	1448.23
20-30	2225.54
30-40	2727.78
40-50	2848.44
50-60	2467.04
60-70	1662.54
70-80	690.29
80-90	53.79
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

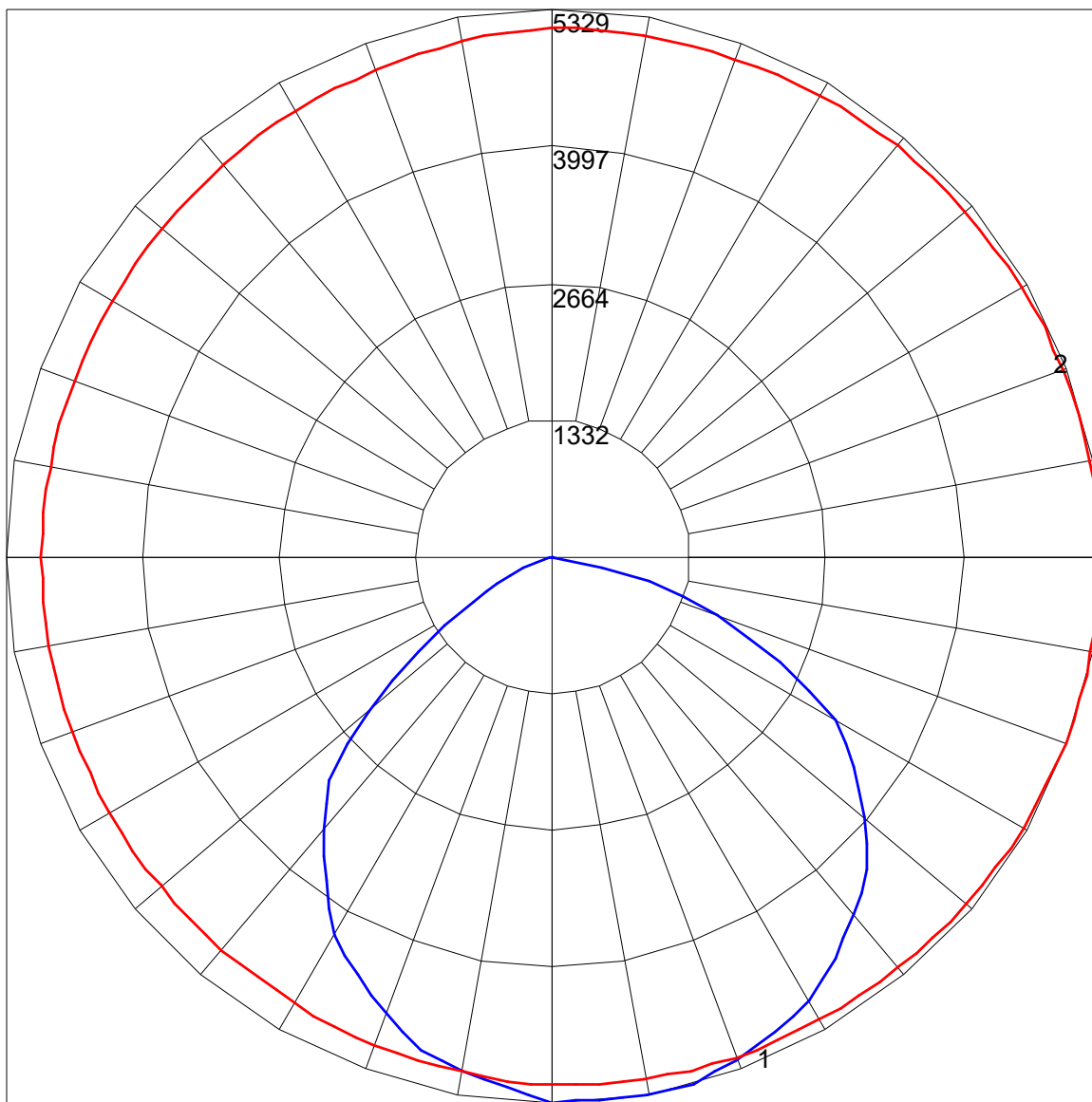
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-I4-100W-5000K-D120.IES

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	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 5328.92 Located At Horizontal Angle = 357.5, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (357.5 - 177.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)