



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] HZX-EX-A-100W-5000K-D120
 [TESTLAB] EVERFINE
 [TESTDATE] 2021-08-11
 [ISSUEDATE] 2021-08-11 11:46:38
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] EVERFINE GO-2000A_V1 SYSTEM
 [MANUFAC] BELUCE CANADA INC.
 [LUMINAIRE] HZX-EX-A-100W-5000K-D120
 [LUMCAT] HZX-EX-A-100W-5000K-D120
 [LAMP] 12765 LUMENS
 [_SEARCH_SOURCETYPE] LED

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

CHARACTERISTICS

Lumens Per Lamp	12765 (1 lamp)
Total Lamp Lumens	12765
Luminaire Lumens	12739
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	102.904
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.38
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4823.39	4823.35	4823.36	4823.44	4823.57	4823.76	4824.00	4824.31	4824.67	4825.06
5.0	4794.06	4793.80	4793.66	4793.63	4793.72	4793.88	4794.09	4794.43	4794.89	4795.30
7.5	4765.51	4765.36	4765.37	4765.51	4765.56	4765.73	4765.94	4766.21	4766.44	4766.81
10.0	4736.95	4737.07	4737.40	4737.54	4737.70	4737.90	4738.03	4738.32	4738.46	4738.73
12.5	4707.15	4706.46	4705.98	4705.30	4704.83	4704.41	4704.20	4704.17	4704.30	4704.59
15.0	4677.35	4675.51	4673.75	4671.79	4670.37	4668.95	4667.71	4666.51	4665.59	4664.65
17.5	4594.01	4593.28	4593.01	4593.22	4593.93	4595.00	4596.47	4598.36	4599.88	4602.65
20.0	4510.67	4511.07	4511.71	4512.67	4513.97	4515.58	4517.48	4518.93	4521.50	4523.50
22.5	4425.68	4425.29	4425.10	4425.50	4426.00	4426.87	4428.28	4430.33	4433.14	4436.80
25.0	4340.69	4339.35	4338.24	4337.00	4335.61	4334.25	4333.28	4332.95	4333.42	4334.93
27.5	4257.28	4256.51	4256.12	4255.68	4254.43	4252.11	4248.93	4244.92	4241.12	4237.51
30.0	4173.86	4173.88	4174.77	4175.99	4175.94	4173.91	4170.34	4166.09	4161.81	4157.71
32.5	3969.80	3970.70	3974.32	3979.75	3985.87	3993.72	4003.58	4016.09	4031.90	4051.73
35.0	3765.73	3766.29	3768.73	3771.10	3774.49	3780.33	3788.62	3799.48	3815.61	3834.27
37.5	3562.77	3563.81	3567.61	3571.85	3576.02	3580.60	3586.93	3595.46	3606.03	3617.31
40.0	3359.80	3361.45	3367.16	3374.80	3380.80	3386.80	3394.23	3403.16	3413.66	3425.31
42.5	3156.15	3158.07	3162.72	3167.82	3172.87	3179.44	3188.20	3199.18	3213.50	3230.41
45.0	2952.49	2954.69	2957.51	2958.68	2961.74	2966.09	2971.92	2980.28	2991.14	3006.05
47.5	2746.22	2749.24	2753.90	2757.25	2760.46	2764.09	2767.98	2771.77	2776.18	2783.38
50.0	2539.94	2543.89	2550.92	2557.37	2562.00	2567.58	2573.12	2578.49	2583.66	2590.49
52.5	2335.41	2338.96	2343.74	2347.89	2352.18	2358.95	2365.87	2373.64	2382.50	2394.86
55.0	2130.88	2133.97	2135.92	2137.40	2140.65	2144.96	2149.29	2153.59	2161.01	2167.66
57.5	1922.58	1928.06	1932.20	1935.08	1938.51	1942.38	1945.17	1945.84	1948.34	1939.76
60.0	1714.28	1722.29	1728.97	1733.93	1738.85	1744.60	1749.53	1751.86	1753.28	1748.61
62.5	1493.77	1498.70	1503.02	1507.98	1514.23	1520.61	1527.73	1534.00	1541.28	1546.20
65.0	1273.25	1274.77	1276.02	1279.66	1284.81	1287.64	1290.94	1295.66	1299.24	1291.69
67.5	1048.41	1051.34	1052.83	1056.15	1061.93	1065.16	1066.16	1068.95	1066.81	1054.21
70.0	823.57	827.97	829.75	833.46	840.73	845.69	847.11	850.62	852.37	847.75
72.5	601.58	602.43	603.19	607.89	613.69	614.92	618.04	622.43	628.62	631.42
75.0	379.58	376.79	376.60	382.24	385.15	382.87	385.71	388.52	396.11	401.48
77.5	189.79	188.61	189.25	193.36	195.92	195.96	198.85	200.84	206.51	208.96
80.0	0.00	0.70	2.78	6.28	11.00	16.65	23.42	30.82	39.51	47.95
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4825.53	4825.99	4826.52	4827.10	4827.73	4828.42	4829.16	4829.96	4830.80	4831.69
5.0	4796.03	4796.62	4797.35	4798.22	4799.24	4800.32	4801.35	4802.54	4803.90	4805.41
7.5	4767.07	4767.26	4767.57	4767.97	4768.04	4768.23	4768.52	4768.81	4768.90	4769.86
10.0	4738.90	4738.96	4739.04	4738.89	4738.72	4738.53	4737.99	4737.54	4737.11	4736.40
12.5	4705.02	4705.62	4706.36	4707.22	4708.41	4709.51	4708.44	4706.81	4705.26	4703.51
15.0	4663.83	4663.11	4662.24	4661.80	4661.34	4661.50	4661.68	4662.65	4663.90	4666.13
17.5	4604.83	4606.85	4608.88	4609.57	4606.18	4604.89	4603.45	4602.55	4602.54	4603.39
20.0	4525.43	4527.25	4528.62	4529.71	4530.76	4531.81	4532.76	4534.65	4532.88	4532.41
22.5	4441.29	4446.56	4449.54	4450.21	4450.60	4450.86	4451.20	4451.46	4452.61	4454.05
25.0	4337.63	4341.35	4345.99	4351.71	4358.53	4364.87	4370.70	4369.99	4369.51	4369.59
27.5	4234.07	4232.75	4235.39	4239.04	4243.50	4249.47	4257.60	4267.93	4280.74	4281.10
30.0	4153.85	4149.59	4144.10	4136.62	4127.43	4125.76	4132.34	4141.47	4153.24	4167.52

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CANDELA TABULATION - (Cont.)

32.5	4076.10	4071.31	4064.79	4055.81	4043.46	4033.29	4022.58	4011.93	4017.47	4028.77
35.0	3856.40	3881.16	3909.04	3937.71	3961.08	3948.16	3935.33	3921.46	3902.56	3885.41
37.5	3630.42	3652.98	3677.68	3705.89	3738.57	3776.37	3819.54	3832.26	3810.15	3784.78
40.0	3436.89	3448.86	3461.95	3475.78	3501.18	3536.16	3573.12	3613.37	3662.27	3684.08
42.5	3246.32	3259.26	3272.54	3285.90	3299.28	3309.17	3311.95	3336.44	3381.80	3434.24
45.0	3024.16	3044.36	3067.22	3093.50	3107.14	3115.54	3108.54	3098.12	3090.05	3112.08
47.5	2795.48	2808.43	2829.07	2851.19	2871.67	2888.92	2901.41	2886.29	2875.74	2855.83
50.0	2597.87	2600.59	2603.52	2600.71	2584.41	2583.50	2609.76	2646.70	2680.31	2672.45
52.5	2406.19	2404.72	2405.88	2399.88	2361.66	2333.74	2335.37	2373.10	2406.74	2444.94
55.0	2169.27	2176.74	2191.96	2207.96	2184.16	2154.29	2156.50	2153.31	2150.31	2178.00
57.5	1924.64	1934.08	1943.92	1945.40	1942.38	1953.12	1972.91	1970.44	1966.94	1962.35
60.0	1729.74	1724.61	1718.97	1706.54	1706.48	1708.15	1718.37	1741.07	1768.81	1783.50
62.5	1528.10	1526.20	1527.29	1525.63	1523.93	1503.23	1487.88	1491.30	1509.48	1525.88
65.0	1286.55	1295.76	1307.91	1325.04	1341.82	1326.85	1303.77	1303.22	1287.69	1248.75
67.5	1053.57	1059.06	1071.47	1085.38	1086.56	1083.94	1093.73	1112.49	1111.84	1075.72
70.0	847.39	851.61	859.80	864.46	851.38	850.04	860.72	868.00	870.86	877.25
72.5	634.00	642.46	655.11	663.65	661.86	659.92	666.50	660.48	652.74	647.15
75.0	405.45	416.26	427.82	441.31	449.58	458.93	475.32	489.27	484.15	484.28
77.5	211.39	215.93	219.87	221.72	228.22	243.66	260.20	275.99	290.49	307.09
80.0	56.79	66.08	75.61	83.68	92.69	100.49	107.39	113.71	118.70	122.58
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.05	15.94	26.64
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4832.54	4833.59	4834.61	4835.66	4836.74	4837.86	4839.03	4840.23	4841.46	4842.72
5.0	4807.08	4808.77	4810.69	4812.58	4814.63	4816.81	4819.14	4821.60	4824.19	4826.88
7.5	4770.39	4772.00	4774.66	4777.05	4779.73	4782.71	4785.97	4788.82	4793.23	4797.08
10.0	4735.81	4734.40	4734.74	4734.23	4734.15	4737.18	4741.21	4745.51	4750.24	4755.39
12.5	4701.60	4699.86	4697.95	4696.06	4694.38	4692.79	4691.05	4691.58	4697.40	4702.44
15.0	4665.63	4661.96	4657.96	4653.84	4649.04	4645.75	4641.82	4638.24	4634.93	4638.69
17.5	4604.99	4607.46	4610.68	4608.11	4601.43	4594.69	4588.31	4582.22	4576.52	4571.41
20.0	4532.98	4534.49	4537.06	4540.63	4545.21	4541.93	4533.20	4524.94	4517.36	4510.48
22.5	4456.03	4456.64	4458.29	4461.14	4465.38	4471.35	4477.38	4466.61	4456.42	4446.55
25.0	4370.22	4371.19	4372.66	4374.42	4377.94	4383.84	4391.54	4401.41	4390.21	4376.32
27.5	4282.00	4280.64	4279.47	4275.86	4278.72	4283.68	4291.28	4301.81	4317.69	4299.32
30.0	4184.59	4188.94	4184.18	4176.95	4173.33	4168.98	4174.37	4187.37	4202.17	4215.07
32.5	4043.29	4061.56	4087.39	4073.91	4065.82	4056.96	4050.99	4060.35	4075.23	4094.81
35.0	3886.86	3902.05	3922.19	3944.39	3954.36	3939.98	3923.39	3902.72	3908.83	3932.26
37.5	3757.33	3725.66	3728.01	3750.96	3783.56	3801.20	3755.95	3699.31	3654.17	3690.12
40.0	3646.84	3595.12	3528.47	3506.35	3538.89	3575.54	3581.08	3521.61	3480.74	3481.02
42.5	3488.97	3456.12	3378.06	3318.86	3291.46	3326.83	3361.96	3375.62	3348.53	3325.12
45.0	3154.17	3197.48	3240.39	3194.32	3152.25	3122.80	3162.67	3211.11	3218.40	3183.92
47.5	2860.02	2914.41	2980.36	3055.31	3038.13	2993.66	2952.78	3000.69	3062.82	3041.11
50.0	2669.33	2675.89	2707.25	2780.67	2866.44	2874.59	2814.08	2777.27	2834.20	2891.84
52.5	2490.66	2491.85	2492.45	2481.25	2565.40	2669.33	2684.04	2593.60	2552.27	2642.83
55.0	2221.79	2270.98	2303.43	2280.09	2270.63	2337.67	2440.41	2425.41	2315.10	2342.91
57.5	1946.03	1954.48	2002.64	2065.82	2054.76	2020.12	2062.82	2166.48	2155.25	2062.76
60.0	1755.91	1701.87	1682.55	1752.69	1829.48	1829.89	1787.67	1839.44	1973.25	1905.57
62.5	1543.82	1532.16	1506.82	1487.43	1495.37	1559.22	1596.69	1559.52	1601.19	1742.90
65.0	1258.23	1277.57	1308.54	1318.42	1261.05	1228.96	1315.97	1377.02	1305.94	1374.36
67.5	1060.21	1035.44	1040.58	1068.71	1093.24	1061.93	1004.07	1065.27	1139.45	1067.81

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CANDELA TABULATION - (Cont.)

70.0	890.77	870.72	845.93	812.29	817.24	858.42	870.25	821.46	841.48	920.50
72.5	651.20	661.95	671.80	667.06	636.77	609.20	634.00	685.25	633.16	622.23
75.0	476.28	469.55	454.06	463.90	473.16	480.85	456.83	421.83	471.61	465.08
77.5	318.40	330.81	325.64	315.72	306.47	301.70	312.47	318.57	287.15	285.81
80.0	133.92	154.26	171.71	185.94	198.15	198.59	185.35	168.33	177.75	179.38
82.5	36.31	44.68	51.85	57.24	61.04	75.74	89.83	100.53	98.92	84.12
85.0	0.00	0.00	0.00	0.00	0.00	7.46	14.15	20.68	27.69	37.29
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4844.01	4845.32	4846.65	4848.00	4849.36	4850.73	4852.11	4851.22	4850.33	4849.46
5.0	4829.69	4832.58	4835.29	4838.47	4841.67	4844.87	4848.09	4845.83	4843.58	4841.33
7.5	4801.18	4805.52	4810.08	4814.84	4819.80	4824.92	4830.21	4826.32	4822.59	4819.03
10.0	4760.93	4766.86	4773.14	4778.63	4786.19	4793.79	4801.40	4795.73	4790.07	4784.44
12.5	4711.10	4718.77	4727.10	4736.04	4745.54	4755.53	4765.98	4758.15	4750.76	4743.85
15.0	4647.51	4657.27	4667.94	4679.46	4690.50	4704.51	4718.54	4707.70	4696.89	4689.03
17.5	4573.62	4585.16	4597.67	4611.17	4625.64	4641.06	4657.40	4644.33	4632.22	4621.09
20.0	4504.21	4509.09	4523.15	4538.44	4552.83	4572.05	4591.31	4575.13	4558.99	4547.78
22.5	4437.50	4427.52	4442.70	4460.68	4480.43	4501.79	4524.58	4505.17	4487.18	4470.77
25.0	4363.19	4350.85	4349.82	4371.49	4395.31	4420.28	4448.73	4424.26	4403.25	4383.35
27.5	4281.26	4264.50	4249.16	4269.64	4298.07	4329.13	4362.56	4333.58	4306.96	4282.96
30.0	4191.72	4169.62	4149.17	4154.55	4188.16	4223.65	4264.68	4228.42	4197.70	4168.87
32.5	4095.29	4064.78	4032.04	4013.58	4053.85	4101.08	4153.45	4107.24	4066.01	4031.42
35.0	3969.81	3927.31	3860.77	3796.11	3847.01	3921.68	4010.27	3928.54	3860.86	3817.07
37.5	3729.49	3731.93	3659.95	3601.64	3625.77	3696.84	3772.69	3702.23	3636.65	3619.62
40.0	3511.64	3543.89	3507.57	3463.73	3461.03	3516.98	3583.74	3522.39	3471.78	3480.28
42.5	3344.22	3381.45	3381.93	3329.05	3300.41	3366.80	3440.13	3373.68	3314.03	3347.82
45.0	3165.58	3206.89	3249.49	3183.05	3122.19	3195.94	3284.97	3202.87	3135.69	3205.21
47.5	2999.55	3018.25	3071.31	3031.35	2962.61	3021.28	3112.18	3026.59	2973.96	3052.42
50.0	2844.15	2814.57	2871.59	2879.24	2787.24	2823.40	2941.41	2831.35	2801.00	2896.93
52.5	2660.62	2568.40	2610.62	2697.48	2552.48	2573.00	2740.84	2579.88	2568.33	2722.44
55.0	2448.43	2354.54	2323.83	2421.93	2328.85	2307.07	2458.70	2312.77	2341.88	2444.06
57.5	2139.62	2176.62	2088.28	2171.38	2140.15	2086.07	2238.76	2094.31	2153.20	2190.57
60.0	1827.93	1963.23	1880.67	1896.38	1935.94	1796.21	2022.87	1803.75	1955.15	1925.96
62.5	1596.07	1639.17	1677.43	1596.23	1703.07	1542.37	1739.05	1546.50	1718.52	1610.00
65.0	1453.74	1302.40	1464.24	1335.84	1468.97	1297.09	1505.52	1303.44	1479.10	1355.36
67.5	1161.67	1145.28	1135.14	1147.04	1166.51	1074.65	1244.53	1080.64	1179.80	1166.13
70.0	828.00	970.01	836.17	982.50	884.69	872.99	1000.08	877.55	892.57	1000.84
72.5	701.75	618.18	714.59	684.34	626.77	686.54	763.77	691.00	635.48	696.01
75.0	419.38	490.48	468.66	437.26	495.35	525.35	546.35	528.65	502.30	445.29
77.5	319.41	260.52	305.76	355.78	330.62	335.53	368.74	337.41	333.75	362.33
80.0	147.95	184.96	136.74	151.40	147.00	141.60	212.00	140.77	146.48	152.09
82.5	81.92	79.05	78.34	57.29	68.81	81.14	102.37	79.68	67.25	56.19
85.0	43.09	36.41	32.14	28.69	21.33	22.99	38.27	21.37	20.86	28.55
87.5	0.00	5.23	11.27	15.12	11.31	6.11	10.16	5.61	10.82	15.25
90.0	0.00	0.00	0.00	0.00	0.00	0.00	3.93	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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4848.59	4847.74	4846.90	4846.08	4845.28	4844.51	4843.76	4843.03	4842.34	4841.67

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CANDELA TABULATION - (Cont.)

5.0	4839.10	4837.33	4835.37	4833.49	4831.71	4830.03	4828.46	4827.00	4825.67	4824.47
7.5	4815.65	4812.46	4809.48	4806.72	4804.19	4801.08	4799.55	4797.56	4795.84	4794.38
10.0	4780.84	4776.44	4772.36	4768.63	4765.26	4762.25	4759.63	4757.24	4755.54	4757.42
12.5	4737.48	4731.67	4726.48	4720.28	4717.52	4713.94	4715.39	4718.97	4722.36	4725.79
15.0	4680.68	4673.16	4666.51	4660.78	4660.02	4666.09	4672.26	4678.62	4684.21	4691.03
17.5	4611.01	4602.01	4594.04	4595.75	4604.95	4614.61	4624.39	4634.21	4644.20	4653.73
20.0	4535.67	4524.87	4523.84	4534.82	4546.64	4559.29	4572.74	4586.34	4593.69	4592.38
22.5	4456.09	4444.22	4457.90	4470.84	4484.83	4499.71	4516.00	4513.44	4511.21	4510.80
25.0	4365.53	4370.15	4385.93	4402.51	4419.90	4434.64	4428.51	4424.15	4421.76	4421.48
27.5	4266.88	4286.50	4307.37	4329.35	4349.00	4339.49	4332.85	4328.88	4327.21	4327.67
30.0	4168.40	4193.83	4220.83	4248.95	4240.52	4230.04	4221.41	4218.73	4228.73	4236.01
32.5	4054.27	4091.40	4126.73	4131.33	4116.43	4106.08	4100.54	4112.69	4126.43	4139.17
35.0	3888.16	3959.86	4006.86	3976.71	3959.93	3957.88	3980.55	4000.68	4019.51	4014.78
37.5	3687.78	3769.83	3773.71	3739.74	3712.37	3764.98	3825.60	3873.26	3859.76	3833.71
40.0	3530.76	3574.38	3547.07	3520.73	3528.72	3581.64	3651.78	3650.54	3617.25	3593.11
42.5	3405.44	3410.93	3379.68	3365.31	3395.60	3432.06	3426.69	3396.66	3364.27	3401.89
45.0	3278.64	3243.21	3210.10	3231.56	3268.91	3266.79	3224.48	3190.76	3226.47	3274.48
47.5	3100.82	3051.94	3041.17	3091.68	3117.71	3059.67	3016.40	3065.05	3118.04	3139.25
50.0	2895.54	2842.90	2882.70	2943.57	2894.88	2841.00	2881.82	2948.84	2949.29	2865.56
52.5	2642.85	2611.32	2708.24	2697.22	2619.61	2668.47	2756.28	2743.85	2647.85	2574.15
55.0	2349.24	2389.93	2494.92	2391.12	2375.09	2511.83	2525.34	2419.57	2350.84	2376.02
57.5	2112.17	2208.93	2183.39	2107.71	2208.16	2239.37	2141.27	2103.05	2136.19	2166.00
60.0	1920.43	2005.01	1879.05	1962.65	2025.86	1892.86	1855.17	1907.05	1908.07	1827.21
62.5	1709.63	1677.85	1642.55	1820.40	1669.06	1624.20	1668.82	1639.97	1584.85	1563.83
65.0	1488.87	1334.82	1492.58	1417.69	1355.58	1438.15	1372.07	1285.26	1345.04	1401.63
67.5	1160.33	1178.67	1203.25	1112.47	1185.91	1118.71	1067.77	1124.27	1179.42	1149.80
70.0	854.62	1000.55	859.86	965.44	884.64	861.74	928.67	916.12	882.01	889.06
72.5	731.27	636.86	730.26	649.12	669.68	724.13	680.19	661.23	704.68	743.60
75.0	481.44	507.52	436.53	490.02	501.62	454.74	502.14	533.02	529.39	526.66
77.5	313.46	268.78	335.86	303.47	311.01	352.68	350.69	341.08	347.33	364.89
80.0	139.32	193.00	157.42	195.52	195.31	187.93	212.08	230.44	233.25	225.59
82.5	80.07	84.66	89.35	92.29	111.00	117.46	108.24	95.77	82.45	78.06
85.0	33.11	38.93	47.26	41.17	30.92	25.17	18.67	9.90	0.00	0.00
87.5	11.82	5.65	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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4841.04	4840.41	4839.74	4839.26	4838.72	4838.22	4837.75	4837.32	4836.92	4836.56
5.0	4823.40	4822.28	4821.35	4820.43	4819.63	4818.97	4818.44	4818.04	4817.54	4817.08
7.5	4793.20	4791.71	4791.28	4791.14	4792.10	4793.13	4793.89	4794.59	4795.35	4796.16
10.0	4759.44	4760.60	4763.54	4765.64	4767.82	4769.72	4771.60	4773.51	4775.00	4776.39
12.5	4729.36	4732.92	4736.33	4739.86	4743.27	4746.55	4749.86	4752.62	4753.22	4753.50
15.0	4697.05	4702.84	4708.25	4710.60	4710.36	4710.85	4711.60	4712.96	4714.38	4716.26
17.5	4658.96	4658.37	4658.35	4659.11	4660.39	4662.26	4664.66	4667.40	4669.82	4674.23
20.0	4592.33	4593.47	4595.63	4598.42	4602.08	4605.93	4605.73	4605.61	4605.00	4604.45
22.5	4512.26	4515.50	4519.10	4524.24	4527.19	4529.32	4531.20	4532.47	4533.45	4534.13
25.0	4422.58	4428.10	4434.32	4441.00	4447.07	4452.23	4456.34	4452.96	4448.43	4443.36
27.5	4335.51	4341.91	4349.57	4355.73	4363.05	4354.53	4347.60	4342.28	4338.59	4336.37
30.0	4246.74	4255.64	4256.23	4244.17	4235.13	4228.59	4224.22	4222.01	4227.63	4239.88
32.5	4153.34	4134.68	4120.60	4110.41	4103.17	4102.04	4118.62	4134.98	4149.47	4165.03
35.0	3996.68	3980.64	3969.96	3973.73	3996.04	4019.88	4039.49	4058.18	4075.98	4053.04
37.5	3815.46	3812.19	3846.24	3879.61	3911.07	3938.31	3929.64	3889.19	3853.51	3822.17
40.0	3627.19	3694.89	3744.25	3784.75	3768.82	3724.19	3684.35	3648.01	3614.98	3591.82

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CANDELA TABULATION - (Cont.)

42.5	3480.25	3570.38	3597.19	3538.69	3488.28	3450.69	3425.77	3423.73	3414.67	3403.23
45.0	3335.26	3305.10	3264.76	3224.65	3202.66	3214.76	3230.21	3233.37	3224.93	3213.55
47.5	3065.05	3001.92	2946.68	2957.90	2987.01	3007.18	3035.36	3017.28	2996.08	2972.59
50.0	2792.44	2763.65	2759.01	2771.85	2788.00	2754.55	2728.56	2718.96	2730.67	2729.86
52.5	2579.35	2580.31	2578.44	2538.92	2506.34	2473.99	2432.80	2459.27	2514.90	2546.26
55.0	2393.88	2361.89	2311.39	2270.03	2245.79	2260.30	2272.94	2292.98	2348.09	2362.88
57.5	2109.32	2073.88	2043.57	2057.53	2074.08	2096.10	2105.05	2097.50	2106.81	2117.87
60.0	1761.02	1819.16	1868.01	1885.30	1877.35	1864.71	1863.50	1865.82	1864.81	1884.77
62.5	1588.38	1650.76	1663.84	1643.50	1622.38	1606.83	1633.94	1676.41	1698.05	1714.55
65.0	1392.85	1370.89	1359.56	1384.21	1411.62	1429.24	1473.53	1517.56	1525.92	1514.10
67.5	1122.71	1128.41	1158.01	1213.64	1241.47	1238.43	1243.97	1257.17	1259.70	1252.45
70.0	933.30	969.41	982.73	997.96	997.09	985.96	975.86	982.65	1010.54	1016.77
72.5	747.92	747.74	739.43	729.22	757.59	771.17	774.45	786.22	801.74	802.18
75.0	518.74	532.96	554.33	563.63	582.02	582.38	574.32	572.65	569.31	561.88
77.5	380.85	391.85	384.55	373.97	369.01	356.94	342.82	335.60	323.43	319.95
80.0	213.65	198.36	182.26	172.86	169.45	162.17	153.08	144.49	132.77	120.94
82.5	71.23	61.75	50.65	37.56	22.75	5.74	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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4836.23	4835.95	4835.70	4835.43	4835.23	4835.03	4834.87	4834.75	4834.66	4834.62
5.0	4816.73	4816.48	4816.33	4816.00	4815.95	4815.82	4815.77	4815.80	4815.28	4815.62
7.5	4796.57	4797.01	4797.51	4797.89	4798.10	4798.40	4798.59	4798.87	4799.12	4799.42
10.0	4777.68	4778.62	4779.49	4780.16	4780.64	4781.16	4781.54	4782.01	4782.43	4782.34
12.5	4754.04	4754.59	4755.24	4755.93	4756.65	4757.42	4758.25	4759.15	4760.18	4761.22
15.0	4718.18	4720.44	4722.67	4725.01	4727.47	4729.72	4732.11	4734.31	4736.47	4738.43
17.5	4674.42	4673.27	4672.43	4671.59	4670.20	4670.31	4669.77	4669.51	4669.54	4669.79
20.0	4603.92	4603.29	4602.42	4601.59	4600.83	4599.50	4599.44	4598.86	4598.64	4598.79
22.5	4534.42	4532.37	4528.23	4524.89	4522.28	4520.35	4519.02	4518.34	4518.38	4519.10
25.0	4439.61	4436.99	4435.22	4434.14	4433.59	4433.47	4433.70	4434.46	4435.97	4438.12
27.5	4335.55	4336.14	4340.76	4346.93	4351.80	4355.34	4358.41	4361.07	4363.87	4366.88
30.0	4250.95	4261.04	4269.90	4277.09	4282.31	4285.90	4288.52	4291.11	4293.81	4296.79
32.5	4178.01	4189.93	4200.41	4178.81	4159.43	4142.55	4128.09	4116.46	4107.95	4102.44
35.0	4024.86	3999.50	3977.71	3958.67	3942.49	3928.04	3917.15	3907.84	3900.62	3895.99
37.5	3794.69	3771.44	3749.96	3739.71	3731.96	3724.47	3717.50	3710.68	3704.79	3699.91
40.0	3579.91	3569.21	3559.29	3549.91	3541.44	3533.64	3525.83	3518.58	3511.66	3505.55
42.5	3391.62	3381.29	3371.20	3357.58	3342.85	3330.55	3320.55	3312.42	3306.28	3301.61
45.0	3187.84	3166.22	3148.12	3133.40	3121.12	3111.34	3104.33	3099.89	3097.24	3095.73
47.5	2951.76	2931.78	2917.97	2912.17	2913.89	2914.92	2916.62	2918.33	2919.16	2919.18
50.0	2734.26	2739.43	2742.21	2744.40	2746.24	2747.31	2748.70	2749.58	2748.78	2746.56
52.5	2554.61	2566.21	2574.01	2573.37	2569.28	2566.71	2565.78	2565.81	2565.12	2564.17
55.0	2352.33	2350.59	2357.41	2365.89	2368.35	2369.71	2372.16	2375.30	2379.02	2380.73
57.5	2117.76	2112.99	2125.94	2160.83	2177.41	2186.48	2194.01	2200.44	2204.86	2206.08
60.0	1909.15	1923.54	1957.66	1993.62	2009.50	2018.86	2025.36	2031.85	2034.19	2032.71
62.5	1729.02	1741.61	1783.57	1804.32	1803.67	1799.38	1795.62	1793.88	1791.40	1786.90
65.0	1500.78	1493.83	1500.42	1522.43	1536.55	1534.89	1532.79	1533.67	1534.98	1534.26
67.5	1243.17	1234.31	1236.28	1256.75	1282.07	1285.07	1285.83	1288.77	1290.07	1287.52
70.0	1017.62	1017.32	1017.56	1036.67	1047.56	1046.01	1045.80	1048.69	1047.53	1041.86
72.5	800.60	795.30	789.20	800.36	802.63	796.07	792.41	793.29	795.08	791.87
75.0	552.75	548.12	544.15	541.27	546.32	540.60	535.02	535.54	541.23	541.38
77.5	315.29	310.25	308.44	298.19	298.46	291.40	283.30	279.07	278.70	275.47

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CANDELA TABULATION - (Cont.)

80.0	108.40	94.79	82.80	68.60	56.95	44.76	33.38	23.71	15.66	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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4834.60	4834.63	4834.69	4834.74	4834.82	4834.94	4835.09	4835.27	4835.48	4835.72
5.0	4815.97	4816.31	4816.66	4816.94	4817.21	4817.49	4817.76	4818.74	4819.17	4819.63
7.5	4799.61	4799.87	4800.22	4800.31	4800.51	4800.81	4800.79	4800.87	4801.09	4801.08
10.0	4783.06	4783.41	4783.77	4783.35	4782.93	4781.94	4781.81	4780.98	4779.86	4778.98
12.5	4762.40	4763.38	4764.48	4765.05	4765.70	4765.57	4765.25	4764.19	4762.73	4760.68
15.0	4740.36	4742.86	4745.18	4746.98	4748.35	4749.97	4749.89	4749.12	4747.26	4744.45
17.5	4670.42	4671.40	4672.67	4673.55	4674.35	4675.12	4675.90	4676.37	4677.30	4678.79
20.0	4597.26	4599.30	4600.15	4598.74	4595.33	4595.39	4593.55	4592.42	4592.90	4593.13
22.5	4520.09	4522.08	4523.97	4524.98	4524.90	4523.61	4521.53	4519.44	4517.92	4517.22
25.0	4438.20	4443.52	4447.78	4450.36	4450.77	4453.23	4451.56	4449.42	4447.91	4447.49
27.5	4369.93	4372.74	4374.83	4375.08	4373.81	4371.64	4369.54	4368.48	4368.84	4370.37
30.0	4297.00	4300.95	4301.87	4297.81	4290.28	4288.50	4285.61	4285.15	4285.73	4285.64
32.5	4099.41	4098.60	4099.51	4100.13	4100.90	4103.11	4108.27	4117.79	4130.44	4142.93
35.0	3893.89	3892.07	3897.14	3899.02	3904.88	3908.22	3913.91	3923.57	3936.74	3950.78
37.5	3696.91	3695.85	3696.64	3697.65	3699.88	3703.10	3710.25	3719.90	3733.81	3748.04
40.0	3500.63	3495.72	3496.14	3491.67	3493.75	3496.94	3503.46	3511.59	3520.34	3531.02
42.5	3297.65	3295.30	3294.70	3294.60	3295.74	3299.95	3306.16	3312.86	3319.41	3323.80
45.0	3094.15	3090.45	3093.26	3093.45	3098.38	3103.62	3111.56	3119.30	3125.33	3131.39
47.5	2917.94	2916.42	2916.09	2916.19	2917.12	2920.39	2924.98	2929.56	2933.49	2938.23
50.0	2743.26	2738.59	2738.91	2734.92	2736.45	2738.19	2739.53	2740.09	2740.82	2741.81
52.5	2562.59	2561.62	2561.42	2561.49	2561.93	2563.50	2564.85	2564.37	2562.19	2557.88
55.0	2381.46	2380.75	2383.93	2384.54	2388.02	2389.78	2393.08	2394.52	2393.63	2390.10
57.5	2206.49	2206.60	2207.05	2207.34	2207.14	2208.39	2210.35	2211.01	2209.99	2207.63
60.0	2025.40	2029.07	2030.17	2026.55	2019.41	2025.88	2024.95	2022.03	2016.11	2010.58
62.5	1782.98	1781.07	1780.70	1781.08	1782.76	1785.83	1789.72	1793.33	1792.07	1789.88
65.0	1522.58	1528.56	1531.23	1531.33	1528.67	1540.64	1546.34	1551.51	1554.04	1554.11
67.5	1284.22	1282.71	1281.96	1283.73	1285.55	1288.52	1293.51	1298.17	1301.63	1302.79
70.0	1030.77	1033.12	1032.68	1032.24	1026.90	1035.90	1039.31	1041.23	1043.20	1040.68
72.5	787.50	785.30	783.92	784.75	787.12	788.65	792.21	795.02	795.73	793.74
75.0	531.79	534.32	535.16	534.20	535.18	541.93	546.34	551.77	554.78	554.19
77.5	270.80	268.38	267.58	268.34	272.53	275.88	281.97	289.34	296.89	302.34
80.0	0.00	0.00	0.00	0.00	0.00	0.00	15.85	24.60	34.99	46.33
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4835.99	4836.29	4836.60	4836.89	4837.21	4837.57	4837.95	4838.36	4838.79	4839.24
5.0	4820.15	4820.73	4821.23	4821.68	4822.19	4822.75	4823.35	4824.05	4824.45	4825.00
7.5	4801.14	4801.38	4801.60	4801.86	4802.34	4803.10	4803.54	4804.31	4805.31	4806.77
10.0	4777.76	4776.82	4775.96	4775.21	4774.81	4774.35	4774.25	4774.99	4774.69	4775.31
12.5	4758.31	4755.64	4752.80	4749.84	4746.85	4743.80	4740.81	4737.59	4737.58	4737.19

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CANDELA TABULATION - (Cont.)

15.0	4741.93	4737.56	4733.74	4729.84	4725.78	4721.79	4717.40	4713.82	4708.04	4703.99
17.5	4680.86	4683.63	4687.21	4691.62	4696.76	4699.72	4694.41	4688.26	4681.57	4673.85
20.0	4594.94	4597.53	4600.74	4605.60	4608.81	4613.83	4619.87	4627.30	4634.70	4643.63
22.5	4517.18	4517.19	4516.50	4514.59	4515.16	4517.24	4520.97	4525.99	4532.43	4540.37
25.0	4447.91	4448.20	4447.25	4444.55	4440.36	4435.24	4430.23	4423.84	4424.18	4431.29
27.5	4373.37	4375.02	4377.30	4376.37	4370.76	4364.27	4357.29	4350.20	4343.19	4336.25
30.0	4284.30	4282.83	4280.27	4278.72	4278.09	4278.58	4280.50	4277.14	4268.04	4258.48
32.5	4154.55	4166.32	4179.07	4174.42	4170.82	4168.28	4167.15	4170.43	4171.29	4176.95
35.0	3963.40	3975.80	3989.66	4003.43	4019.00	4035.25	4047.75	4045.48	4045.77	4048.27
37.5	3764.53	3781.95	3800.07	3814.69	3830.52	3849.34	3864.54	3883.46	3903.97	3910.07
40.0	3543.43	3558.68	3577.43	3599.81	3625.83	3655.16	3678.27	3697.47	3713.55	3729.18
42.5	3329.59	3336.70	3349.90	3370.25	3393.95	3420.64	3451.11	3485.75	3524.72	3540.05
45.0	3137.90	3144.91	3153.83	3165.63	3174.97	3184.10	3206.78	3236.16	3272.15	3310.64
47.5	2944.41	2952.82	2963.33	2974.45	2985.29	2993.51	2999.75	3003.72	3011.94	3049.02
50.0	2744.62	2751.42	2760.16	2772.52	2786.88	2802.74	2811.39	2812.85	2816.69	2818.55
52.5	2553.56	2550.88	2552.68	2558.95	2565.72	2571.55	2585.23	2603.38	2623.07	2622.79
55.0	2385.11	2381.35	2378.21	2372.46	2360.89	2339.94	2341.53	2356.78	2371.82	2381.08
57.5	2205.71	2206.52	2208.72	2202.57	2190.36	2166.42	2147.22	2138.06	2104.44	2087.63
60.0	2003.96	2001.13	1999.17	1995.58	1985.24	1971.75	1967.50	1958.10	1927.84	1886.85
62.5	1788.38	1787.98	1785.27	1768.71	1736.71	1729.42	1734.21	1740.71	1739.27	1724.70
65.0	1553.60	1554.31	1553.77	1539.26	1509.64	1501.00	1497.76	1493.80	1485.40	1463.40
67.5	1305.82	1312.79	1319.02	1317.40	1297.74	1284.92	1283.37	1277.93	1253.57	1213.19
70.0	1045.24	1051.75	1050.45	1049.40	1042.10	1044.71	1055.87	1064.96	1059.94	1026.10
72.5	796.27	798.08	792.84	785.59	779.59	788.82	797.53	803.12	804.12	800.27
75.0	555.91	562.12	560.73	558.09	560.40	560.57	564.78	563.17	555.78	557.82
77.5	309.13	320.57	323.66	331.53	340.23	339.94	351.23	351.22	357.22	362.15
80.0	59.12	73.64	86.67	101.89	116.55	129.03	144.65	155.06	168.40	177.72
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.33
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4839.72	4840.21	4840.73	4841.27	4841.84	4842.28	4842.81	4843.36	4843.92	4844.51
5.0	4825.58	4826.20	4826.87	4827.57	4828.56	4828.74	4829.37	4830.05	4830.77	4831.54
7.5	4807.54	4808.86	4809.54	4809.86	4810.05	4810.23	4810.51	4810.87	4811.32	4811.86
10.0	4776.71	4777.26	4778.64	4780.39	4782.29	4784.48	4787.06	4787.02	4787.24	4786.21
12.5	4737.37	4737.80	4738.51	4739.87	4741.47	4743.53	4746.25	4750.48	4753.01	4755.28
15.0	4697.11	4691.29	4687.47	4687.73	4688.55	4690.11	4692.66	4695.71	4699.64	4704.48
17.5	4665.50	4656.62	4647.29	4637.81	4628.19	4625.10	4629.40	4630.35	4634.58	4639.79
20.0	4633.19	4621.07	4608.86	4596.45	4584.15	4572.05	4560.21	4557.38	4563.12	4566.89
22.5	4549.64	4560.61	4571.00	4554.89	4540.02	4525.16	4510.09	4495.05	4480.02	4486.45
25.0	4440.22	4451.20	4464.44	4479.95	4497.00	4478.10	4458.38	4439.06	4418.32	4398.75
27.5	4330.82	4334.99	4347.07	4361.83	4379.45	4399.75	4403.18	4377.95	4352.81	4327.91
30.0	4248.45	4237.81	4226.69	4231.29	4247.62	4267.24	4290.47	4314.62	4282.98	4251.70
32.5	4167.50	4153.53	4138.51	4122.27	4105.11	4121.87	4145.30	4172.98	4204.96	4171.70
35.0	4053.15	4061.72	4052.27	4030.95	4007.69	3986.04	3989.26	4017.25	4050.33	4088.48
37.5	3909.49	3912.94	3920.55	3932.09	3907.92	3882.79	3857.64	3850.53	3884.10	3924.12
40.0	3746.07	3756.52	3761.91	3771.58	3786.19	3779.85	3748.57	3716.57	3702.45	3742.53
42.5	3554.57	3571.95	3590.59	3601.36	3611.30	3628.31	3637.09	3593.29	3540.97	3517.90
45.0	3357.24	3380.51	3395.72	3407.45	3417.93	3423.97	3439.21	3461.33	3380.98	3295.27
47.5	3090.24	3135.79	3192.73	3195.10	3191.83	3160.64	3161.67	3193.67	3210.77	3124.35
50.0	2800.52	2824.41	2877.49	2941.30	2974.67	2936.71	2920.17	2940.71	2971.39	2987.19

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CANDELA TABULATION - (Cont.)

52.5	2596.09	2566.42	2555.76	2615.84	2672.47	2729.39	2724.95	2725.08	2740.70	2780.33
55.0	2374.52	2351.15	2345.39	2339.54	2363.50	2430.52	2509.56	2524.86	2513.80	2527.81
57.5	2090.84	2110.77	2147.33	2152.19	2144.29	2110.32	2169.07	2264.47	2294.06	2244.18
60.0	1852.27	1849.29	1882.28	1921.03	1959.65	1908.84	1869.00	1918.88	2020.13	2026.35
62.5	1683.20	1658.49	1643.77	1623.04	1640.13	1662.11	1663.75	1637.88	1638.72	1743.61
65.0	1460.22	1475.67	1469.37	1420.05	1364.63	1371.85	1413.76	1457.89	1399.08	1391.21
67.5	1205.10	1218.54	1225.55	1226.56	1205.46	1176.72	1123.92	1149.38	1190.45	1168.76
70.0	1010.64	994.21	949.92	958.37	973.81	993.03	972.54	918.37	894.26	949.11
72.5	810.66	822.06	789.58	773.14	738.98	720.22	738.60	760.81	729.42	666.38
75.0	571.38	576.06	580.28	595.20	601.54	569.71	533.61	499.42	532.35	557.66
77.5	368.10	366.78	371.76	368.33	380.60	392.97	399.88	392.06	353.89	308.94
80.0	188.52	195.07	201.77	208.63	214.68	215.58	215.47	222.03	232.91	238.18
82.5	25.27	42.65	57.55	70.32	81.36	89.46	95.38	101.19	103.93	103.15
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.71	22.16	30.28
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4845.11	4845.73	4846.37	4847.02	4847.68	4848.36	4849.04	4849.74	4850.45	4849.23
5.0	4832.36	4833.23	4834.15	4835.11	4836.12	4837.19	4838.30	4839.47	4840.68	4838.48
7.5	4812.83	4813.00	4813.69	4814.50	4815.43	4816.49	4817.68	4819.01	4820.48	4817.61
10.0	4785.89	4785.70	4785.65	4785.77	4786.07	4786.57	4787.29	4788.24	4789.44	4786.45
12.5	4753.41	4751.75	4751.32	4748.75	4747.63	4746.87	4746.48	4746.50	4746.97	4744.35
15.0	4711.56	4709.78	4706.03	4702.68	4699.79	4697.40	4695.54	4694.26	4693.61	4691.79
17.5	4645.87	4653.00	4654.70	4650.67	4643.61	4638.99	4635.13	4632.07	4629.88	4629.19
20.0	4573.43	4582.21	4590.10	4589.76	4582.20	4575.51	4569.73	4564.95	4561.22	4561.20
22.5	4495.57	4501.75	4512.05	4524.17	4517.04	4508.08	4500.27	4493.70	4488.44	4489.00
25.0	4403.16	4412.98	4428.10	4439.23	4445.95	4434.00	4423.37	4414.22	4406.67	4409.05
27.5	4303.31	4311.63	4325.51	4342.55	4364.21	4350.82	4335.97	4323.07	4312.26	4317.73
30.0	4222.50	4196.98	4213.07	4232.38	4255.04	4258.29	4239.95	4223.92	4210.37	4218.41
32.5	4135.48	4100.35	4088.96	4111.17	4137.69	4158.91	4134.94	4113.61	4095.30	4107.41
35.0	4045.42	4003.73	3963.46	3980.89	4007.53	4041.64	4019.97	3992.64	3968.89	3985.84
37.5	3953.64	3903.73	3855.15	3829.00	3862.59	3902.61	3896.15	3861.86	3831.91	3854.79
40.0	3793.53	3798.16	3733.97	3670.14	3692.61	3742.12	3759.52	3714.69	3674.69	3707.78
42.5	3572.56	3647.90	3587.64	3480.44	3446.52	3531.22	3582.39	3497.12	3420.72	3488.72
45.0	3292.81	3367.96	3404.94	3281.50	3198.06	3270.90	3343.40	3269.02	3206.87	3263.01
47.5	3053.88	3094.42	3163.41	3129.28	3045.80	3068.75	3138.10	3093.80	3033.72	3087.02
50.0	2920.80	2871.10	2945.52	2997.75	2902.23	2873.32	2952.42	2926.04	2853.73	2916.66
52.5	2783.85	2705.94	2707.07	2806.78	2747.06	2648.37	2744.59	2742.38	2649.94	2732.72
55.0	2582.03	2543.36	2424.05	2525.51	2570.10	2397.14	2484.81	2518.37	2379.89	2505.26
57.5	2257.74	2343.57	2226.36	2198.20	2336.96	2185.83	2199.78	2263.34	2134.01	2253.56
60.0	1974.34	2030.74	2061.21	1931.76	2029.23	2004.78	1940.05	2048.08	1907.77	2040.33
62.5	1774.65	1721.70	1810.77	1755.46	1713.91	1819.46	1649.81	1825.29	1629.06	1812.50
65.0	1515.25	1507.07	1470.31	1580.36	1403.74	1563.44	1397.04	1545.05	1386.21	1534.33
67.5	1123.55	1257.78	1224.93	1246.09	1238.60	1234.71	1195.17	1274.58	1122.07	1263.98
70.0	934.03	889.96	1038.44	942.70	1057.70	900.01	1011.83	988.53	887.07	978.77
72.5	704.71	721.20	674.84	801.06	725.76	744.52	817.88	723.11	660.33	714.30
75.0	492.81	486.92	526.57	491.16	551.00	582.76	516.38	470.95	451.75	462.95
77.5	348.38	347.67	301.84	357.12	334.51	303.12	318.06	306.66	275.66	299.30
80.0	204.25	171.45	215.13	167.91	210.30	212.96	220.70	225.08	144.07	218.59
82.5	107.06	116.09	97.17	83.02	88.88	103.34	98.57	84.28	60.50	81.14
85.0	37.01	41.60	41.20	43.22	38.35	42.19	41.92	40.37	21.81	39.26
87.5	0.00	0.00	0.00	7.12	17.25	14.41	15.37	16.65	6.98	15.29

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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 7.19 0.00

Vert. Horizontal Angles
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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4848.02	4846.83	4845.65	4844.48	4843.33	4842.21	4841.10	4840.03	4838.97	4837.95
5.0	4836.33	4834.24	4832.20	4830.21	4828.28	4826.40	4824.58	4822.82	4821.12	4819.48
7.5	4814.89	4812.31	4809.86	4807.54	4805.35	4803.29	4801.74	4799.43	4797.56	4795.78
10.0	4783.71	4781.21	4778.94	4776.87	4775.01	4773.32	4771.81	4770.45	4769.81	4767.92
12.5	4742.16	4740.39	4739.00	4737.96	4738.35	4736.66	4736.19	4735.93	4731.68	4727.20
15.0	4690.59	4689.98	4689.90	4690.33	4691.22	4692.53	4691.91	4682.59	4675.50	4669.34
17.5	4629.38	4630.40	4632.21	4636.55	4637.81	4633.20	4623.20	4614.45	4606.70	4600.03
20.0	4562.27	4564.40	4567.56	4571.71	4568.47	4556.76	4544.27	4534.33	4527.59	4518.98
22.5	4490.88	4494.04	4498.42	4501.06	4484.56	4469.83	4459.14	4445.69	4436.31	4447.39
25.0	4413.04	4418.50	4425.28	4413.70	4397.70	4377.85	4363.20	4353.84	4368.22	4384.17
27.5	4325.27	4334.70	4342.67	4316.38	4294.57	4275.81	4262.11	4280.21	4298.72	4317.70
30.0	4228.93	4241.77	4233.01	4204.88	4180.24	4159.12	4179.16	4201.99	4226.26	4250.12
32.5	4122.57	4140.42	4113.09	4080.55	4052.44	4058.17	4088.01	4119.09	4150.33	4110.27
35.0	4006.38	4021.34	3980.81	3947.66	3923.78	3957.48	3992.96	4030.17	3987.49	3950.19
37.5	3881.96	3881.73	3835.78	3795.88	3813.89	3854.24	3896.54	3860.93	3815.66	3777.42
40.0	3745.70	3720.61	3663.68	3634.88	3691.84	3747.39	3733.66	3675.23	3628.67	3637.35
42.5	3565.54	3508.59	3417.58	3441.63	3541.45	3596.74	3512.86	3449.05	3462.09	3506.90
45.0	3330.50	3252.98	3176.04	3247.78	3353.89	3312.23	3232.57	3223.76	3295.36	3363.60
47.5	3124.35	3045.71	3016.44	3098.41	3125.79	3046.95	3000.00	3057.24	3128.69	3102.63
50.0	2934.31	2847.05	2866.98	2956.91	2897.05	2813.60	2858.74	2918.36	2892.11	2854.52
52.5	2723.71	2614.80	2707.82	2757.81	2646.81	2638.91	2713.36	2703.97	2656.65	2633.75
55.0	2462.01	2362.96	2521.94	2472.60	2359.36	2465.30	2496.60	2432.38	2420.60	2425.78
57.5	2183.62	2158.82	2287.98	2147.53	2166.11	2263.50	2175.18	2142.37	2199.40	2173.02
60.0	1920.43	1979.78	1993.07	1882.54	2002.57	1960.64	1903.43	1933.76	1919.87	1823.39
62.5	1626.51	1785.85	1672.33	1698.28	1739.70	1633.80	1699.80	1667.24	1554.23	1542.98
65.0	1376.29	1526.29	1362.53	1527.53	1414.33	1431.21	1435.90	1314.23	1319.62	1359.25
67.5	1175.08	1205.79	1195.45	1192.34	1165.48	1194.99	1062.61	1093.87	1121.43	1066.35
70.0	992.29	872.29	1021.22	904.39	980.49	836.73	875.37	876.84	819.26	840.17
72.5	796.42	717.01	692.03	764.07	637.04	673.22	653.38	609.44	657.73	683.39
75.0	500.71	557.19	519.93	461.29	489.04	448.56	446.65	499.17	465.58	428.12
77.5	303.68	283.50	313.35	330.80	275.69	310.89	305.93	265.09	299.29	331.25
80.0	207.63	198.31	194.13	152.13	189.75	145.19	171.85	199.74	193.12	181.65
82.5	91.52	95.02	80.02	71.56	82.01	97.42	89.64	83.29	79.52	72.54
85.0	39.53	38.73	33.57	36.01	34.33	34.71	28.89	21.79	15.14	7.91
87.5	13.63	12.29	13.07	5.81	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>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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4836.95	4835.99	4835.13	4834.14	4833.22	4832.33	4831.47	4830.66	4829.88	4829.15
5.0	4817.90	4816.38	4815.29	4813.49	4811.97	4810.51	4809.11	4807.79	4806.53	4805.42
7.5	4794.12	4792.56	4791.10	4789.67	4788.12	4787.49	4783.88	4782.02	4779.56	4777.55
10.0	4766.93	4762.15	4758.41	4755.00	4751.78	4748.97	4747.03	4744.29	4742.32	4741.26
12.5	4721.15	4716.57	4712.65	4709.19	4705.99	4703.44	4701.27	4699.48	4698.34	4697.21
15.0	4664.08	4659.32	4655.58	4652.60	4650.20	4651.70	4655.02	4659.45	4661.36	4665.04
17.5	4596.90	4590.22	4590.89	4597.84	4604.55	4611.09	4617.09	4622.57	4627.46	4631.67
20.0	4519.87	4530.24	4540.57	4550.70	4560.53	4569.86	4578.99	4587.18	4574.18	4563.67
22.5	4460.71	4474.54	4488.47	4502.26	4516.90	4503.06	4488.59	4475.97	4464.81	4455.29

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CANDELA TABULATION - (Cont.)

25.0	4399.79	4416.78	4434.27	4415.36	4397.67	4382.12	4368.59	4357.05	4347.36	4344.38
27.5	4337.11	4329.36	4306.02	4285.49	4267.65	4252.36	4245.77	4250.00	4255.32	4260.09
30.0	4222.48	4195.09	4171.01	4150.21	4140.96	4147.67	4155.02	4162.91	4170.52	4177.05
32.5	4078.42	4051.19	4030.98	4038.86	4048.09	4057.38	4066.74	4072.97	4065.01	4061.34
35.0	3918.18	3911.50	3928.60	3944.51	3957.42	3960.22	3947.24	3937.97	3931.59	3927.73
37.5	3780.61	3802.44	3824.47	3845.73	3826.40	3813.16	3803.61	3797.40	3785.34	3761.84
40.0	3665.20	3692.76	3695.45	3677.31	3664.20	3655.99	3641.73	3617.53	3595.19	3574.60
42.5	3545.47	3531.91	3510.57	3497.74	3485.33	3466.82	3447.93	3427.63	3411.14	3363.23
45.0	3335.04	3312.01	3303.16	3293.34	3284.09	3271.82	3248.83	3199.30	3157.01	3117.25
47.5	3062.33	3045.51	3072.32	3076.82	3075.85	3014.46	2969.07	2933.62	2897.49	2886.51
50.0	2828.22	2832.50	2858.48	2827.61	2762.46	2703.60	2664.34	2691.47	2698.06	2692.85
52.5	2631.88	2631.56	2566.12	2507.68	2450.03	2447.99	2457.28	2490.74	2504.67	2475.24
55.0	2406.17	2322.41	2258.03	2239.45	2240.34	2237.72	2231.75	2228.36	2222.88	2208.82
57.5	2074.07	1996.16	2028.42	2049.81	2043.76	1998.08	1959.06	1933.02	1930.90	1965.81
60.0	1778.79	1792.97	1830.54	1803.36	1764.54	1729.50	1715.71	1722.09	1745.63	1769.51
62.5	1577.33	1561.73	1524.46	1492.49	1503.99	1525.63	1528.26	1535.77	1539.29	1539.49
65.0	1321.36	1275.06	1268.21	1293.78	1321.70	1332.12	1305.95	1282.90	1270.03	1276.19
67.5	1029.51	1071.64	1104.70	1109.28	1088.63	1058.57	1043.76	1046.95	1052.89	1074.44
70.0	881.18	889.88	862.71	841.56	846.87	848.74	861.13	870.04	875.43	886.93
72.5	651.64	625.47	640.85	664.75	686.98	686.18	680.45	669.03	655.99	650.08
75.0	458.05	488.25	509.19	502.76	494.45	477.74	461.79	450.11	442.94	436.23
77.5	336.98	327.94	315.23	299.94	295.16	290.66	278.65	268.12	259.39	247.52
80.0	172.41	168.80	161.81	151.08	138.26	129.13	125.72	119.48	113.39	105.51
82.5	63.76	59.89	54.18	46.80	38.39	28.04	16.91	4.26	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	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4828.46	4827.82	4827.22	4826.66	4826.18	4825.68	4825.22	4824.81	4824.45	4824.14
5.0	4804.13	4802.96	4801.89	4800.90	4800.00	4799.13	4798.27	4797.51	4796.85	4796.30
7.5	4775.81	4774.42	4772.80	4771.50	4770.45	4769.51	4768.63	4767.96	4767.44	4766.84
10.0	4739.23	4738.02	4737.19	4736.38	4735.98	4735.75	4735.65	4735.89	4735.81	4736.03
12.5	4698.57	4699.81	4701.07	4702.26	4703.44	4704.59	4705.68	4706.59	4707.33	4707.75
15.0	4666.67	4669.09	4670.94	4672.85	4674.63	4676.37	4678.61	4679.29	4680.30	4680.71
17.5	4635.62	4638.93	4633.88	4626.58	4619.92	4614.37	4609.83	4606.05	4602.91	4600.45
20.0	4553.52	4545.13	4538.00	4532.70	4525.99	4521.08	4516.94	4513.60	4511.71	4509.77
22.5	4447.36	4440.96	4436.54	4433.50	4433.04	4431.94	4430.50	4429.10	4428.06	4427.57
25.0	4347.80	4349.88	4352.27	4353.94	4354.33	4353.37	4351.59	4349.85	4348.68	4348.06
27.5	4264.48	4268.60	4272.46	4275.62	4274.22	4270.12	4267.08	4262.81	4260.15	4258.58
30.0	4177.39	4172.33	4168.87	4167.08	4166.55	4167.50	4167.71	4167.82	4166.97	4165.98
32.5	4054.90	4052.37	4050.98	4051.51	4054.09	4041.53	4030.23	4018.63	4006.13	3993.82
35.0	3926.24	3912.19	3894.10	3877.04	3862.65	3848.77	3836.41	3823.63	3809.44	3796.66
37.5	3741.05	3724.19	3703.78	3686.90	3671.67	3653.03	3635.32	3618.24	3603.51	3589.48
40.0	3552.74	3528.51	3497.74	3470.49	3447.51	3428.45	3412.43	3398.77	3387.34	3377.84
42.5	3326.11	3293.37	3264.80	3240.12	3218.62	3204.85	3196.90	3189.11	3183.43	3175.74
45.0	3083.96	3057.83	3044.86	3033.62	3021.11	3011.55	3002.69	2993.92	2986.29	2978.71
47.5	2876.95	2865.40	2853.07	2840.56	2828.27	2815.83	2800.61	2786.99	2775.97	2767.02
50.0	2686.34	2671.88	2645.11	2622.17	2602.39	2587.91	2575.00	2564.59	2555.07	2548.52
52.5	2447.61	2420.56	2402.27	2385.25	2369.39	2361.07	2356.68	2352.44	2346.79	2343.11
55.0	2187.10	2171.62	2173.67	2173.37	2168.60	2164.58	2160.00	2153.66	2146.99	2142.99
57.5	1971.77	1970.54	1976.90	1976.10	1971.76	1963.33	1954.47	1945.19	1935.90	1929.73
60.0	1772.59	1757.43	1750.02	1745.84	1739.08	1732.28	1728.72	1725.68	1718.19	1711.88

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CANDELA TABULATION - (Cont.)

62.5	1525.08	1507.21	1494.27	1496.66	1505.53	1505.55	1507.21	1506.30	1502.17	1497.26
65.0	1280.60	1277.81	1276.07	1286.56	1296.80	1296.71	1296.99	1292.03	1287.27	1282.60
67.5	1085.04	1081.63	1078.48	1089.92	1086.37	1079.83	1075.17	1068.04	1061.22	1057.79
70.0	878.27	865.87	854.98	850.28	848.77	845.90	840.61	836.73	830.56	829.93
72.5	644.85	635.57	625.98	618.58	618.74	619.62	617.42	613.87	610.70	611.72
75.0	433.14	429.51	422.40	412.72	410.45	406.82	403.33	395.93	394.50	396.22
77.5	238.13	234.19	231.49	224.33	221.93	218.73	215.11	208.52	205.42	204.60
80.0	97.07	88.61	79.61	68.83	59.46	50.22	41.09	32.02	24.16	17.39
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

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	4852.71	4852.71	4852.71	4852.71	4852.71
2.5	4823.88	4823.67	4823.52	4823.43	4823.39
5.0	4795.70	4795.13	4794.67	4794.31	4794.06
7.5	4766.42	4766.17	4765.78	4765.56	4765.51
10.0	4736.13	4736.24	4736.46	4736.59	4736.95
12.5	4708.02	4707.95	4707.97	4707.45	4707.15
15.0	4680.65	4680.41	4679.65	4678.59	4677.35
17.5	4598.62	4596.92	4595.65	4594.71	4594.01
20.0	4509.28	4509.39	4509.78	4510.23	4510.67
22.5	4427.53	4427.46	4427.04	4426.33	4425.68
25.0	4347.61	4346.66	4344.88	4342.61	4340.69
27.5	4258.09	4258.11	4258.16	4257.90	4257.28
30.0	4166.40	4168.13	4170.56	4172.82	4173.86
32.5	3984.44	3978.51	3974.15	3971.15	3969.80
35.0	3786.66	3779.59	3774.12	3768.68	3765.73
37.5	3579.55	3571.70	3567.28	3564.05	3562.77
40.0	3369.08	3362.62	3359.23	3359.07	3359.80
42.5	3168.40	3162.47	3158.73	3156.86	3156.15
45.0	2970.42	2962.82	2958.80	2954.93	2952.49
47.5	2759.17	2752.68	2748.41	2746.27	2746.22
50.0	2544.58	2541.09	2537.47	2537.26	2539.94
52.5	2340.79	2336.82	2333.05	2333.11	2335.41
55.0	2139.81	2133.66	2129.18	2129.20	2130.88
57.5	1926.62	1923.47	1919.54	1918.79	1922.58
60.0	1710.45	1711.89	1710.09	1708.45	1714.28
62.5	1494.75	1493.35	1489.90	1489.28	1493.77
65.0	1280.11	1274.77	1269.21	1270.02	1273.25
67.5	1055.03	1050.80	1045.55	1045.05	1048.41
70.0	828.63	826.34	821.81	820.08	823.57
72.5	609.41	604.48	600.43	599.46	601.58
75.0	391.57	383.15	379.11	378.87	379.58
77.5	200.19	193.93	190.58	189.69	189.79
80.0	11.26	6.29	2.80	0.70	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1781.59	14.00	14.00
0-30	3811.95	29.90	29.90
0-40	6267.98	49.10	49.20
0-60	10797.14	84.60	84.80
0-80	12708.94	99.60	99.80
0-90	12739.28	99.80	100.00
10-90	12281.05	96.20	96.40
20-40	4486.39	35.10	35.20
20-50	6938.3	54.40	54.50
40-70	5910.77	46.30	46.40
60-80	1911.8	15.00	15.00
70-80	530.20	4.20	4.20
80-90	30.34	0.20	0.20
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	12739.28	99.80	100.00

Total Luminaire Efficiency = 99.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	458.23
10-20	1323.36
20-30	2030.36
30-40	2456.02
40-50	2451.91
50-60	2077.25
60-70	1381.61
70-80	530.20
80-90	30.34
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

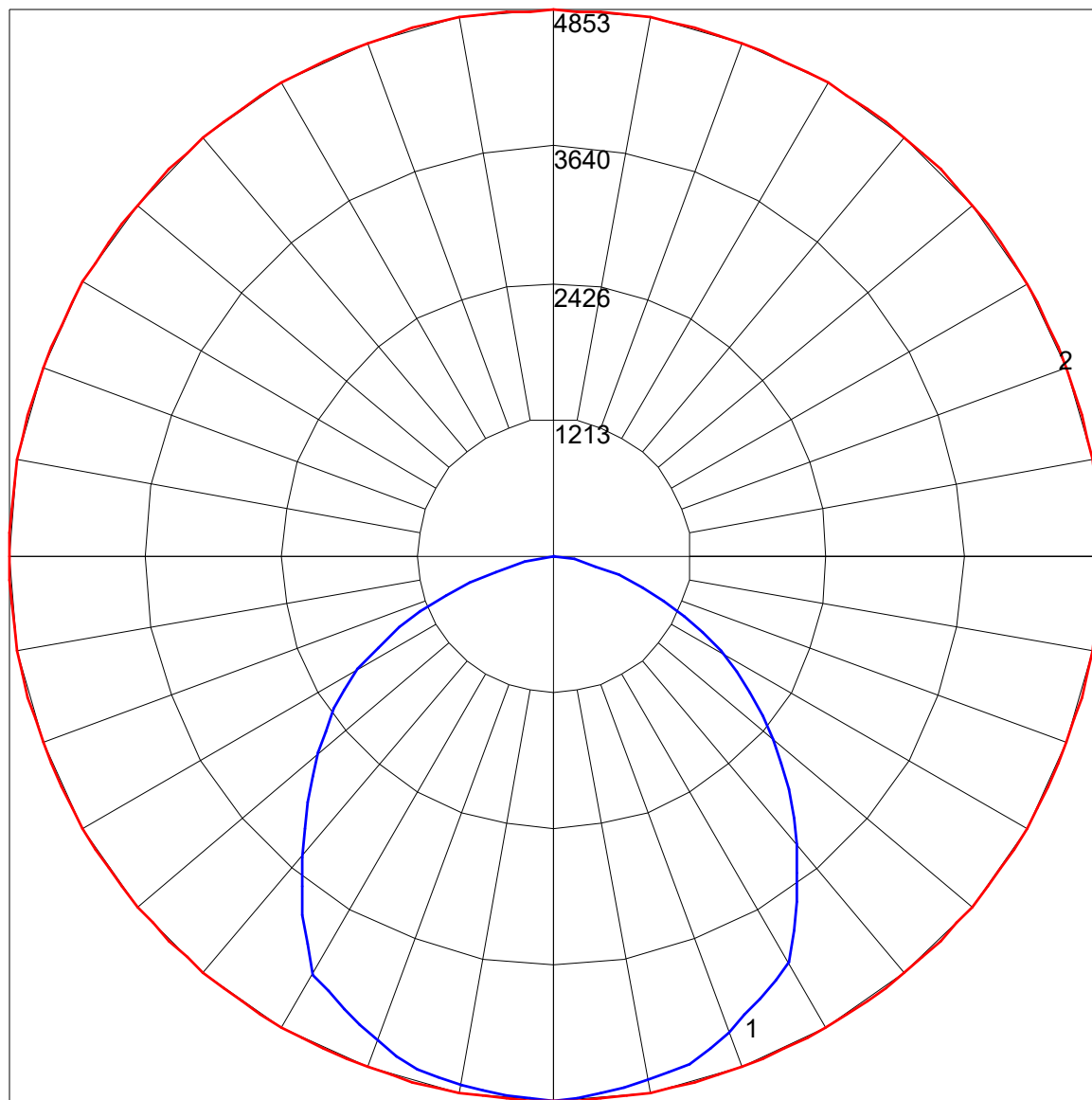
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	87	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	40	35	46	39	34	44	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 4852.71 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.)