



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MPL280WT40120V_TYPE V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [ISSUEDATE] 2017-12-26 09:34
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] MPL280WT40120_TYPE V
 [LAMPCAT]
 [LAMP]
 [TESTLAB] BEGHELLI
 [TESTINST]
 [TESTDIST] 17.398 m

CHARACTERISTICS

Lumens Per Lamp	32554.4 (1 lamp)
Total Lamp Lumens	32554.4
Luminaire Lumens	32545
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	277.76
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.28
Spacing Criterion (90-270)	2.12
Spacing Criterion (Diagonal)	2.42
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>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	3309.73	3309.73	3309.73	3309.73	3309.73	3309.73	3309.73	3309.73	3309.73	3309.73
1	3317.44	3319.87	3364.09	3351.65	3350.30	3332.45	3271.32	3307.83	3308.11	3322.84
2	3320.55	3320.14	3362.74	3345.43	3345.43	3324.33	3265.10	3301.89	3312.03	3326.23
3	3325.28	3324.47	3364.36	3341.91	3338.94	3323.25	3266.19	3301.89	3314.60	3331.50
4	3338.53	3324.74	3365.44	3346.51	3339.21	3318.92	3260.51	3306.48	3320.55	3342.18
5	3347.05	3336.91	3370.04	3344.89	3337.58	3321.90	3261.86	3304.59	3326.50	3350.97
6	3359.76	3345.70	3374.09	3350.30	3343.80	3322.44	3261.86	3310.27	3335.69	3360.44
7	3375.31	3357.33	3381.94	3358.68	3343.26	3325.41	3269.97	3318.65	3348.94	3374.09
8	3388.83	3367.87	3394.11	3366.79	3352.73	3330.55	3275.11	3323.79	3355.97	3386.26
9	3410.06	3386.67	3402.49	3375.45	3366.52	3343.80	3285.93	3329.20	3377.20	3409.12
10	3428.72	3400.73	3419.26	3386.81	3371.66	3354.89	3299.72	3346.51	3387.89	3431.70
11	3450.77	3420.07	3437.11	3403.84	3387.35	3361.11	3308.65	3362.47	3408.31	3454.28
12	3478.35	3437.38	3451.44	3421.96	3405.47	3374.36	3324.60	3379.23	3431.56	3481.46
13	3500.26	3464.15	3472.00	3436.57	3417.37	3394.92	3340.83	3390.05	3454.42	3509.05
14	3532.58	3487.01	3495.80	3461.99	3442.25	3418.18	3355.97	3410.33	3481.06	3538.26
15	3561.38	3512.02	3519.32	3485.79	3463.07	3435.22	3380.59	3434.13	3508.24	3570.98
16	3592.75	3541.23	3550.97	3507.70	3490.12	3459.29	3404.65	3454.96	3536.90	3601.95
17	3630.61	3571.66	3573.95	3531.76	3511.75	3486.06	3432.78	3486.06	3568.55	3640.21
18	3670.91	3602.49	3607.22	3557.19	3539.88	3516.08	3461.45	3510.40	3603.30	3676.45
19	3704.72	3641.16	3638.05	3588.29	3569.63	3534.47	3493.09	3541.50	3635.89	3718.64
20	3748.53	3677.54	3668.88	3621.55	3602.89	3579.36	3519.59	3575.85	3677.27	3759.21
21	3790.85	3720.00	3701.06	3657.52	3636.70	3607.49	3557.19	3616.14	3717.43	3807.08
22	3838.99	3756.91	3744.88	3693.49	3671.59	3646.98	3599.11	3653.20	3762.46	3854.68
23	3888.89	3803.02	3786.53	3734.87	3714.59	3687.54	3635.62	3692.41	3808.84	3909.04
24	3936.76	3850.08	3832.50	3771.38	3756.24	3725.40	3674.29	3734.06	3856.03	3967.05
25	3990.44	3902.82	3874.69	3811.14	3798.70	3769.22	3716.75	3769.22	3907.69	4022.49
26	4051.70	3951.09	3924.99	3863.87	3840.89	3812.22	3763.00	3811.95	3960.83	4080.10
27	4104.98	4005.99	3973.40	3907.42	3888.48	3857.11	3809.24	3858.19	4013.84	4147.44
28	4166.77	4058.46	4021.54	3958.80	3942.03	3909.58	3854.95	3904.98	4069.82	4211.13
29	4234.79	4120.93	4071.04	4015.05	3990.98	3961.23	3908.77	3963.67	4127.02	4275.76
30	4292.13	4174.48	4124.04	4070.49	4044.80	4008.83	3959.07	4011.81	4184.35	4340.54
31	4359.74	4236.28	4175.70	4127.02	4105.38	4069.95	4016.95	4060.22	4245.07	4408.96
32	4426.81	4300.10	4234.12	4177.05	4166.50	4124.58	4072.12	4116.47	4306.46	4481.84
33	4494.15	4365.15	4288.75	4236.28	4216.00	4175.16	4126.75	4175.16	4367.18	4558.79
34	4557.98	4431.68	4354.19	4294.42	4276.31	4230.60	4190.30	4230.87	4432.22	4623.42
35	4637.89	4499.02	4409.64	4348.78	4328.77	4286.04	4250.34	4291.18	4493.07	4697.93
36	4705.37	4573.12	4475.35	4408.28	4377.72	4334.45	4310.11	4347.97	4564.33	4770.82
37	4781.91	4641.54	4536.47	4465.89	4437.76	4389.08	4366.36	4406.66	4630.32	4845.87
38	4863.31	4707.80	4595.70	4521.87	4490.77	4442.90	4419.64	4467.78	4698.74	4923.48
39	4938.22	4775.69	4649.52	4578.66	4560.00	4496.18	4484.28	4534.58	4776.09	4991.37
40	5018.82	4855.47	4714.70	4636.00	4625.99	4550.00	4543.24	4597.87	4846.41	5066.28
41	5093.73	4933.36	4770.41	4692.25	4688.74	4608.14	4594.08	4664.13	4920.51	5143.90
42	5169.32	5012.73	4829.37	4751.75	4757.43	4666.02	4641.68	4724.16	4993.53	5231.52
43	5244.91	5081.56	4881.02	4813.41	4822.34	4720.65	4692.79	4796.37	5062.09	5310.63
44	5324.02	5156.20	4927.27	4873.72	4880.48	4782.04	4745.80	4868.04	5137.41	5388.38
45	5407.58	5250.72	4984.33	4938.36	4946.20	4835.59	4800.16	4938.09	5220.84	5471.95
46	5493.59	5337.81	5032.74	5003.54	5022.47	4903.74	4851.55	5011.11	5301.16	5549.70
47	5582.02	5412.72	5091.43	5057.08	5101.17	4968.11	4904.01	5086.83	5378.11	5630.70
48	5663.97	5491.83	5142.55	5121.72	5173.92	5023.55	4959.45	5159.85	5450.18	5712.24
49	5750.65	5568.23	5201.23	5190.69	5249.10	5077.10	5005.70	5231.25	5524.96	5789.05
50	5836.78	5642.20	5255.86	5247.21	5311.03	5142.28	5064.39	5297.78	5613.80	5860.31
51	5930.90	5721.44	5311.58	5309.95	5391.09	5207.18	5117.67	5371.34	5695.75	5934.01
52	6015.41	5795.40	5367.56	5380.54	5455.45	5269.12	5174.73	5441.39	5782.56	6008.65
53	6109.80	5872.62	5432.47	5452.75	5537.94	5332.40	5230.17	5514.68	5868.56	6085.32

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CANDELA TABULATION - (Cont.)

54	6205.81	5951.18	5484.66	5516.03	5612.04	5396.77	5285.34	5588.24	5953.08	6161.45
55	6300.46	6021.63	5554.98	5591.76	5685.33	5467.35	5344.57	5664.78	6045.57	6233.66
56	6391.88	6107.50	5616.10	5658.29	5761.33	5535.78	5405.15	5728.06	6129.41	6325.35
57	6487.75	6190.93	5682.90	5738.61	5839.49	5614.21	5455.72	5806.49	6222.58	6401.07
58	6590.79	6271.93	5754.03	5822.45	5918.46	5691.55	5523.61	5887.63	6311.96	6471.79
59	6697.89	6352.80	5822.18	5903.58	6008.25	5778.91	5599.60	5957.94	6410.67	6553.20
60	6786.46	6447.32	5896.55	5996.62	6097.76	5863.29	5674.52	6035.02	6511.41	6637.85
61	6885.98	6539.94	5980.66	6092.90	6186.74	5960.92	5740.23	6109.39	6610.26	6734.13
62	6998.22	6626.08	6069.64	6184.31	6283.29	6066.66	5818.93	6191.07	6709.24	6810.66
63	7103.56	6718.17	6165.11	6302.76	6383.63	6178.63	5902.50	6288.97	6799.17	6896.66
64	7208.35	6815.80	6252.73	6429.33	6463.14	6300.87	5999.32	6382.27	6911.94	6985.10
65	7300.71	6923.71	6360.91	6563.20	6560.77	6417.97	6104.53	6485.31	7018.37	7076.38
66	7401.45	7017.28	6480.72	6703.29	6681.93	6546.71	6197.83	6584.57	7122.62	7172.11
67	7491.51	7135.20	6609.72	6856.91	6769.55	6698.43	6302.76	6695.45	7219.44	7264.74
68	7571.70	7250.68	6738.18	7011.33	6885.58	6871.24	6420.14	6791.46	7323.70	7360.21
69	7626.74	7370.35	6883.41	7190.10	7002.14	7057.04	6553.74	6896.66	7389.01	7457.17
70	7600.23	7482.86	7037.57	7379.95	7069.48	7240.67	6693.02	7020.26	7397.40	7553.99
71	7512.20	7586.44	7203.08	7573.32	7153.59	7432.15	6839.60	7140.07	7352.91	7638.50
72	7330.46	7671.63	7374.81	7763.45	7174.68	7639.04	6995.65	7246.35	7209.84	7690.29
73	7021.07	7704.22	7561.15	7921.93	7118.16	7799.69	7168.19	7327.76	6953.05	7698.67
74	6570.91	7688.26	7766.69	8045.79	6945.34	7942.48	7347.50	7362.64	6546.84	7637.82
75	5858.28	7585.36	7995.49	8099.07	6677.87	8006.31	7563.05	7339.12	5934.96	7481.51
76	5117.94	7350.47	8203.73	8048.50	6202.16	7992.51	7766.96	7212.55	5206.78	7184.69
77	4210.86	6992.13	8416.85	7833.22	5608.53	7838.09	7966.55	6947.51	4316.74	6729.80
78	3478.62	6467.74	8575.33	7477.58	4862.09	7491.38	8141.80	6514.25	3534.33	6125.76
79	2727.86	5845.57	8699.73	6844.20	4107.55	6982.67	8291.36	5908.99	2836.72	5363.50
80	2159.25	5050.73	8728.40	6135.90	3420.07	6218.65	8355.45	5252.08	2192.92	4606.52
81	1646.89	4195.44	8511.50	5393.25	2833.74	5514.95	8236.73	4448.58	1698.41	3743.93
82	1257.04	3384.64	7741.00	4494.56	2201.98	4639.24	7623.90	3646.16	1272.45	3057.40
83	948.32	2700.14	6629.19	3702.15	1719.50	3823.85	6706.54	2903.52	947.92	2357.89
84	692.07	2157.90	5265.06	2987.90	1334.38	3106.08	5549.03	2319.08	684.23	1824.98
85	508.44	1662.44	4002.34	2344.23	1019.58	2437.27	4212.75	1781.70	473.28	1378.33
86	343.60	1216.74	2699.87	1861.21	726.42	1936.67	3044.42	1348.45	325.48	987.27
87	216.09	836.63	1655.40	1445.81	548.20	1490.16	1946.68	918.44	207.84	609.72
88	118.32	487.89	873.27	944.13	341.03	1004.17	1127.22	583.08	117.91	312.37
89	60.99	245.02	341.57	536.03	187.15	587.95	501.41	303.71	53.41	81.27
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL280WT40120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	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>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	3309.73	3309.73	3309.73	3309.73	3309.73	3309.73	3309.73
1	3374.36	3365.98	3372.74	3347.59	3292.69	3318.65	3317.44
2	3379.77	3380.31	3385.72	3363.01	3302.70	3326.77	3320.55
3	3394.65	3390.86	3400.60	3377.61	3311.62	3338.67	3325.28
4	3402.22	3406.28	3416.83	3399.52	3331.63	3347.86	3338.53
5	3418.72	3426.02	3437.92	3413.58	3344.89	3362.74	3347.05
6	3432.78	3444.14	3464.69	3433.32	3369.23	3381.40	3359.76
7	3453.34	3469.83	3486.33	3464.15	3390.86	3403.84	3375.31
8	3474.97	3494.71	3513.65	3490.39	3411.15	3417.10	3388.83
9	3492.28	3519.05	3542.58	3518.78	3439.27	3446.03	3410.06
10	3520.14	3552.32	3573.14	3553.94	3469.29	3469.56	3428.72
11	3547.99	3581.53	3603.97	3581.80	3502.83	3503.37	3450.77
12	3575.85	3616.96	3642.65	3625.61	3538.53	3529.06	3478.35
13	3613.44	3651.03	3679.16	3669.69	3575.31	3562.05	3500.26
14	3652.65	3690.52	3721.89	3708.64	3611.01	3596.94	3532.58
15	3680.24	3727.30	3764.35	3754.61	3655.36	3630.21	3561.38
16	3728.92	3779.49	3808.97	3798.97	3704.04	3669.69	3592.75
17	3769.49	3828.99	3863.33	3855.49	3753.26	3711.61	3630.61
18	3812.76	3877.94	3923.37	3912.55	3804.10	3754.34	3670.91
19	3864.96	3929.32	3976.11	3972.86	3853.87	3800.86	3704.72
20	3917.69	3991.79	4041.56	4035.34	3907.42	3855.76	3748.53
21	3963.40	4051.29	4110.52	4100.24	3968.27	3907.96	3790.85
22	4023.98	4122.15	4187.06	4166.50	4043.18	3965.56	3838.99
23	4082.39	4188.41	4270.90	4250.88	4102.68	4018.57	3888.89
24	4154.33	4254.67	4346.08	4315.25	4171.37	4082.39	3936.76
25	4216.81	4337.70	4425.59	4409.64	4244.66	4145.95	3990.44
26	4286.04	4416.13	4504.83	4494.83	4327.96	4203.83	4051.70
27	4355.28	4494.29	4591.65	4575.96	4405.31	4269.81	4104.98
28	4423.16	4580.56	4688.47	4666.29	4479.14	4337.97	4166.77
29	4500.51	4667.10	4778.25	4764.19	4562.44	4407.47	4234.79
30	4576.77	4757.16	4873.18	4858.85	4643.30	4489.15	4292.13
31	4650.33	4844.51	4970.81	4942.42	4726.60	4564.60	4359.74
32	4729.03	4927.00	5067.36	5034.64	4819.09	4632.48	4426.81
33	4802.05	5013.27	5165.80	5127.13	4901.04	4708.48	4494.15
34	4875.34	5104.14	5265.33	5228.28	4985.96	4784.20	4557.98
35	4962.70	5189.87	5351.33	5318.61	5066.28	4863.72	4637.89
36	5039.51	5279.66	5442.47	5407.31	5160.40	4944.85	4705.37

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	5113.88	5368.10	5553.63	5499.54	5247.75	5018.68	4781.91
38	5194.20	5448.69	5659.37	5595.00	5330.51	5097.11	4863.31
39	5269.93	5532.80	5761.06	5677.76	5417.05	5181.22	4938.22
40	5350.79	5620.70	5854.36	5772.15	5501.70	5266.68	5018.82
41	5422.46	5713.73	5949.83	5862.21	5576.07	5355.39	5093.73
42	5492.50	5799.19	6049.35	5947.94	5663.16	5441.66	5169.32
43	5560.93	5887.63	6145.63	6047.46	5732.93	5527.66	5244.91
44	5641.25	5970.65	6237.31	6129.14	5811.09	5621.24	5324.02
45	5702.91	6054.76	6331.16	6216.76	5884.11	5707.24	5407.58
46	5776.74	6146.72	6417.43	6309.52	5974.98	5790.54	5493.59
47	5851.12	6232.72	6499.11	6394.17	6042.59	5875.73	5582.02
48	5926.30	6310.34	6599.44	6487.75	6122.37	5956.05	5663.97
49	5996.08	6388.22	6678.95	6572.94	6199.18	6048.00	5750.65
50	6069.64	6482.07	6763.06	6663.00	6270.58	6130.76	5836.78
51	6139.14	6564.83	6857.99	6744.94	6357.66	6212.70	5930.90
52	6206.21	6641.09	6947.51	6843.39	6445.02	6291.40	6015.41
53	6275.72	6731.96	7032.16	6936.42	6531.83	6376.05	6109.80
54	6364.97	6810.93	7120.59	7028.64	6621.62	6459.62	6205.81
55	6448.53	6900.45	7197.40	7114.10	6715.19	6548.33	6300.46
56	6522.64	6988.62	7279.35	7215.52	6794.71	6635.41	6391.88
57	6615.67	7081.38	7355.61	7300.98	6885.85	6722.23	6487.75
58	6717.36	7163.87	7419.71	7404.29	6983.21	6818.51	6590.79
59	6806.33	7264.47	7472.45	7504.63	7086.79	6904.24	6697.89
60	6895.58	7371.57	7525.72	7617.13	7206.33	6992.40	6786.46
61	6988.62	7477.04	7581.44	7735.32	7302.88	7079.76	6885.98
62	7105.18	7563.59	7622.81	7827.27	7415.38	7182.80	6998.22
63	7214.71	7661.49	7660.68	7925.17	7525.18	7273.40	7103.56
64	7329.38	7765.88	7682.31	8032.27	7641.20	7361.83	7208.35
65	7452.97	7872.98	7704.49	8130.71	7774.26	7457.57	7300.71
66	7569.81	7958.71	7690.97	8220.50	7893.26	7561.96	7401.45
67	7710.17	8039.30	7655.81	8302.18	8018.21	7669.06	7491.51
68	7835.39	8097.18	7586.84	8363.57	8145.32	7754.79	7571.70
69	7958.98	8129.36	7484.62	8401.43	8266.48	7853.51	7626.74
70	8081.22	8133.69	7305.31	8396.56	8386.01	7918.41	7600.23
71	8221.85	8093.93	7034.05	8332.74	8517.45	7961.41	7512.20
72	8335.17	7999.28	6653.26	8214.01	8626.71	7947.08	7330.46
73	8447.41	7822.67	6168.35	8034.43	8733.27	7859.73	7021.07
74	8543.96	7580.62	5514.95	7723.15	8817.38	7683.39	6570.91
75	8611.84	7213.63	4834.51	7317.21	8863.62	7342.90	5858.28
76	8622.66	6733.04	4164.61	6807.15	8860.11	6902.61	5117.94
77	8593.72	6085.86	3496.88	6199.18	8766.80	6315.74	4210.86
78	8491.49	5417.86	2875.66	5519.55	8586.96	5613.66	3478.62
79	8231.05	4730.11	2313.13	4755.27	8255.93	4858.31	2727.86
80	7723.69	4051.29	1873.66	4079.96	7639.04	4008.02	2159.25
81	6916.95	3325.95	1500.17	3413.85	6571.32	3257.26	1646.89
82	5849.49	2727.46	1176.98	2796.69	5491.69	2582.77	1257.04
83	4686.03	2213.07	891.93	2221.45	4157.31	2039.71	948.32
84	3335.15	1773.05	663.14	1771.16	2948.14	1574.81	692.07
85	2314.21	1368.73	488.43	1354.13	1972.64	1155.35	508.44
86	1423.63	999.57	347.52	995.79	1066.91	801.87	343.60
87	666.38	662.32	206.35	600.12	521.96	482.48	216.09
88	263.69	311.55	103.58	238.80	196.61	210.41	118.32
89	91.95	55.71	54.63	75.73	90.60	63.56	60.99
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL280WT40120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL280WT40120V_TYPE V.IES

CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL280WT40120V_TYPE V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1342.24	4.10	4.10
0-30	3216.32	9.90	9.90
0-40	6171.56	19.00	19.00
0-60	15930.91	48.90	49.00
0-80	30297.26	93.10	93.10
0-90	32544.84	100.00	100.00
10-90	32221.94	99.00	99.00
20-40	4829.32	14.80	14.80
20-50	9035.16	27.80	27.80
40-70	16789.52	51.60	51.60
60-80	14366.34	44.10	44.10
70-80	7336.17	22.50	22.50
80-90	2247.59	6.90	6.90
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	32544.84	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	322.91
10-20	1019.33
20-30	1874.08
30-40	2955.24
40-50	4205.83
50-60	5553.52
60-70	7030.17
70-80	7336.17
80-90	2247.59
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

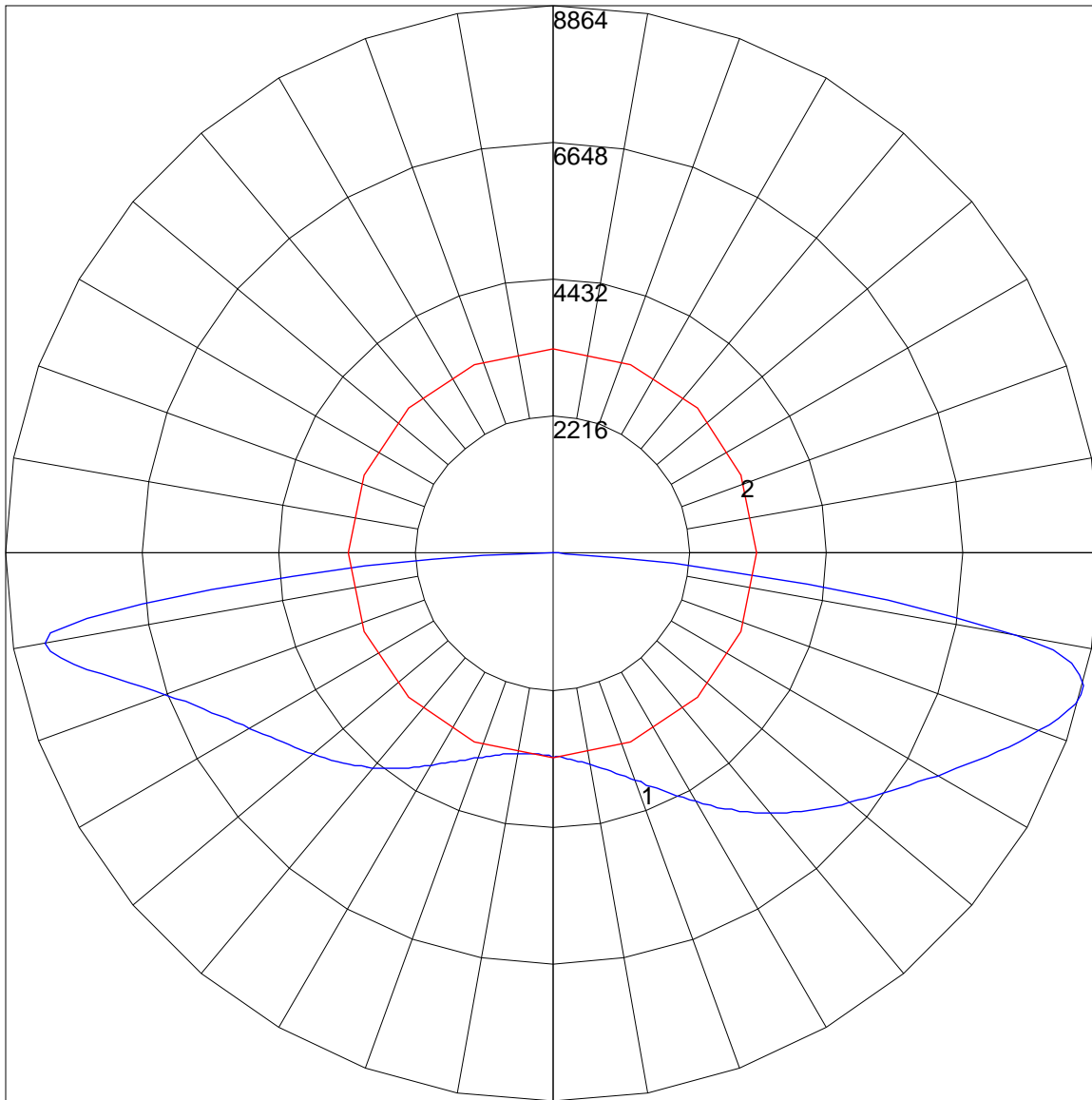
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MPL280WT40120V_TYPE V.IES

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	103	95	89	83	100	93	87	82	88	83	79	84	80	76	80	77	74	71
2	89	78	68	60	86	76	67	59	72	64	57	68	62	56	65	59	55	52
3	79	65	54	45	76	63	53	44	60	51	43	57	49	43	54	47	42	39
4	71	55	44	35	68	54	43	35	51	42	34	48	40	34	46	39	33	30
5	64	48	37	28	62	47	36	28	44	35	28	42	34	27	40	33	27	24
6	58	42	31	23	56	41	31	23	39	30	23	37	29	23	35	28	22	20
7	54	38	27	20	52	37	27	20	35	26	19	33	25	19	32	25	19	17
8	50	34	24	17	48	33	23	17	32	23	17	30	22	16	29	22	16	14
9	46	31	21	15	45	30	21	15	29	20	15	28	20	14	26	19	14	12
10	43	28	19	13	42	27	19	13	26	18	13	25	18	13	24	18	13	11

POLAR GRAPH



Maximum Candela = 8863.62 Located At Horizontal Angle = 315, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)