



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1-96LED97DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1-96LED97DMV40
 [TESTDATE] 10-Apr-2018 14:10:37
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 4/11/2018 6:22:33 AM
 [MANUFAC] Mobern Lighting Co.
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 12382.4
 [DRIVER TYPE] (2) OSRAM OT50W
 [BOARD/LAMP TYPE] (8) LUMA SMART "S" BOARDS
 [COLOR TEMP] 4,128 CCT
 [LUMEN/WATT] 128 LPW
 [CRI] 84.6
 [_NUMBEROFRAYS]10000000
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12388
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	97.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.44 m
Luminous Width (90-270)	0.25 m
Luminous Height	0.09 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6766	5490	5207
55	6844	5022	4684
65	6293	4211	2856
75	6058	1917	1340
85	2998	223	32

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74
3	4247.62	4246.30	4244.58	4240.06	4237.87	4234.35	4231.58	4229.65	4228.46	4227.91
6	4251.80	4249.02	4244.25	4236.38	4228.38	4221.90	4218.43	4217.73	4219.80	4224.07
9	4222.23	4220.38	4217.72	4207.03	4195.19	4185.78	4182.58	4188.05	4197.70	4206.33
12	4170.24	4173.23	4175.61	4170.05	4158.25	4140.42	4130.23	4135.50	4152.53	4166.47
15	4111.42	4117.31	4133.50	4130.63	4111.89	4087.29	4065.45	4062.49	4079.34	4101.32
18	4047.28	4062.60	4078.30	4081.06	4058.19	4032.22	4003.90	3990.32	4006.12	4022.92
21	3976.33	3993.20	4005.21	4005.49	3985.57	3961.61	3943.41	3939.55	3948.43	3943.53
24	3899.67	3913.26	3900.75	3880.58	3884.46	3870.76	3857.84	3881.29	3891.69	3860.43
27	3816.29	3825.64	3781.16	3770.79	3788.81	3780.20	3768.38	3792.63	3800.45	3768.66
30	3714.21	3720.94	3672.89	3673.59	3682.91	3670.53	3671.80	3699.61	3686.71	3670.58
33	3587.35	3595.17	3570.65	3566.24	3563.51	3551.90	3553.49	3584.13	3568.73	3568.24
36	3462.91	3451.49	3455.68	3437.64	3440.24	3448.73	3436.08	3447.41	3450.09	3456.73
39	3359.32	3294.94	3343.39	3281.42	3324.08	3343.63	3318.37	3317.87	3335.88	3331.53
42	3226.99	3148.29	3221.47	3145.42	3200.60	3200.05	3184.80	3176.58	3207.33	3197.04
45	3027.39	3031.09	3062.24	2977.33	3036.87	3030.93	3023.32	3024.30	3051.80	3055.67
48	2832.24	2895.86	2873.16	2789.52	2857.66	2849.66	2858.75	2864.31	2879.76	2892.85
51	2707.23	2718.80	2670.98	2641.01	2693.24	2678.85	2700.28	2687.49	2714.25	2702.74
54	2585.67	2523.87	2510.26	2486.52	2521.38	2524.32	2534.31	2517.36	2546.11	2529.76
57	2394.52	2330.57	2310.72	2298.75	2327.20	2355.85	2380.23	2338.43	2389.48	2388.31
60	2146.18	2121.70	2100.66	2072.04	2091.58	2167.03	2189.37	2107.00	2140.83	2128.11
63	1894.96	1897.82	1921.66	1873.33	1861.05	1950.89	1902.86	1765.02	1697.66	1640.16
66	1679.40	1665.72	1671.89	1693.40	1661.07	1651.95	1501.71	1312.05	1163.56	1138.01
69	1517.59	1450.67	1406.25	1432.73	1429.91	1249.81	994.55	895.48	823.07	857.27
72	1342.05	1246.82	1160.51	1144.17	1016.70	832.89	641.90	634.17	622.30	650.38
75	1088.52	992.30	899.86	803.46	670.99	569.12	481.97	480.93	446.95	496.18
78	789.83	706.24	613.29	512.98	395.11	341.63	296.74	270.89	230.14	233.25
81	537.70	471.98	395.83	287.26	246.21	202.45	131.08	115.78	91.04	88.32
84	287.31	276.74	155.12	133.45	85.33	55.20	18.70	13.30	16.71	12.83
87	105.41	96.52	49.73	29.58	13.94	4.41	1.48	0.00	0.26	0.13
90	20.00	9.97	2.78	2.67	0.00	0.00	0.00	0.00	0.00	0.00
93	0.08	0.19	0.04	0.47	0.11	0.17	0.12	0.02	0.00	0.00
96	0.01	0.02	0.09	0.09	0.09	0.04	0.03	0.01	0.00	0.00
99	0.01	0.01	0.56	0.24	0.04	0.03	0.01	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
105	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
111	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
117	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
123	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
129	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
135	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
141	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
147	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
153	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
159	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.)

162	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
168	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
174	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
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>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74
3	4227.73	4227.69	4227.45	4226.84	4225.31	4223.44	4221.13	4219.16	4217.71	4216.85
6	4229.04	4233.23	4236.96	4238.62	4237.50	4234.22	4229.16	4224.54	4220.20	4217.84
9	4211.40	4214.04	4217.27	4221.96	4224.94	4225.31	4227.54	4228.64	4230.92	4232.64
12	4166.50	4158.95	4156.55	4162.52	4172.36	4174.83	4186.60	4203.33	4219.60	4226.12
15	4103.99	4095.67	4083.76	4085.66	4090.85	4101.24	4120.96	4142.06	4162.83	4161.24
18	4036.08	4032.09	4019.00	4014.56	4013.65	4023.28	4041.81	4079.44	4089.60	4075.59
21	3948.69	3958.51	3951.98	3947.86	3945.51	3935.40	3962.39	4018.04	4031.41	3987.90
24	3851.30	3869.60	3874.78	3880.97	3875.93	3819.51	3855.90	3940.66	3977.06	3900.34
27	3763.45	3786.74	3790.07	3795.21	3814.52	3745.73	3774.50	3759.16	3908.55	3789.44
30	3680.24	3702.55	3671.72	3662.45	3718.76	3706.70	3667.88	3653.90	3823.61	3653.29
33	3575.79	3578.60	3535.69	3532.01	3577.22	3636.66	3591.97	3484.01	3722.88	3518.42
36	3440.29	3441.78	3427.53	3435.62	3399.73	3485.45	3501.51	3325.75	3602.57	3380.86
39	3296.34	3330.14	3324.19	3338.62	3254.79	3270.15	3373.83	3199.99	3462.88	3227.00
42	3155.11	3200.89	3185.97	3187.32	3151.89	3126.65	3200.45	3078.39	3323.88	3074.84
45	3016.68	3035.41	3026.23	3001.61	3006.66	3027.83	2993.53	2942.00	3198.97	2949.19
48	2860.45	2871.82	2879.58	2827.75	2823.62	2914.15	2788.49	2799.86	3057.39	2829.90
51	2692.74	2715.73	2711.86	2658.90	2670.64	2740.86	2567.99	2675.39	2871.14	2711.92
54	2517.69	2558.53	2508.19	2470.33	2524.65	2512.31	2398.57	2527.98	2668.28	2564.07
57	2363.43	2368.37	2330.46	2282.17	2362.99	2312.12	2222.04	2345.94	2479.28	2380.48
60	2119.13	2116.83	2134.52	2107.57	2140.66	2119.25	2044.31	2141.03	2288.05	2165.26
63	1667.84	1765.94	1855.10	1903.61	1925.09	1913.77	1863.26	1944.05	2073.08	1950.04
66	1132.64	1303.82	1414.78	1642.40	1723.91	1692.91	1632.55	1732.53	1839.26	1718.64
69	790.92	870.55	949.87	1194.05	1388.53	1425.98	1384.27	1493.49	1595.57	1467.16
72	631.59	628.87	648.78	723.31	977.15	1140.82	1154.40	1232.56	1340.59	1204.54
75	464.41	484.39	471.25	501.29	596.96	805.18	896.43	966.98	1070.78	943.02
78	237.87	298.05	303.31	344.64	364.88	481.43	607.21	689.75	785.13	658.01
81	83.53	118.68	125.97	195.75	216.13	247.17	328.70	400.43	468.37	387.73
84	15.77	14.00	21.18	52.20	78.50	100.29	113.95	200.82	233.85	197.47
87	1.26	0.81	3.25	6.66	20.47	21.89	22.93	48.04	82.14	49.62
90	0.00	0.00	0.00	0.00	4.57	2.62	0.56	6.78	15.42	4.61
93	0.00	0.00	0.26	0.38	0.35	0.34	0.02	4.09	6.22	0.28
96	0.00	0.00	0.05	0.19	0.12	0.04	0.04	2.67	3.77	0.06
99	0.00	0.00	0.02	0.01	0.00	0.11	0.26	1.47	1.78	0.00
102	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
108	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
114	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
120	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
126	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
132	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.)

135	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
141	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
147	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
153	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
159	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
165	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
171	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
177	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>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74
3	4216.51	4218.23	4219.02	4221.51	4224.44	4227.37	4230.22	4232.87	4235.52	4238.10
6	4215.65	4215.50	4216.73	4218.50	4221.14	4223.39	4224.49	4225.55	4226.31	4227.95
9	4229.77	4225.58	4218.79	4214.86	4212.61	4208.23	4200.85	4192.54	4187.27	4185.40
12	4223.76	4212.28	4200.58	4191.32	4188.61	4178.87	4161.08	4143.33	4133.02	4131.50
15	4158.32	4141.28	4122.68	4120.40	4126.19	4127.46	4107.05	4090.82	4085.20	4090.28
18	4044.09	4033.12	4014.78	4018.24	4033.15	4050.55	4047.75	4037.85	4042.18	4047.67
21	3942.88	3934.44	3936.34	3935.97	3943.82	3970.13	3982.66	3981.71	3980.24	3984.22
24	3848.35	3848.67	3877.21	3880.74	3862.54	3882.74	3906.66	3909.41	3891.21	3890.43
27	3747.63	3786.11	3815.04	3820.45	3787.78	3783.20	3810.58	3810.29	3781.67	3781.49
30	3666.45	3720.46	3705.59	3704.57	3683.51	3679.49	3703.04	3694.52	3671.51	3677.23
33	3597.08	3628.61	3562.03	3561.56	3551.62	3556.73	3582.16	3574.99	3565.15	3567.33
36	3516.18	3490.46	3402.45	3434.17	3432.09	3436.33	3446.72	3454.70	3447.56	3454.03
39	3406.90	3310.29	3279.94	3323.93	3307.37	3317.89	3304.76	3331.20	3302.59	3327.37
42	3246.81	3178.50	3177.88	3184.22	3157.31	3158.40	3152.52	3191.90	3136.92	3160.90
45	3033.48	3063.62	3003.87	3006.10	2995.30	2985.66	2999.74	3026.74	2984.74	2991.61
48	2809.09	2932.32	2800.07	2831.31	2845.91	2836.33	2840.53	2845.80	2835.15	2838.67
51	2579.26	2762.72	2649.72	2662.54	2673.41	2677.01	2671.57	2662.75	2665.34	2669.98
54	2419.19	2546.25	2501.81	2470.80	2465.23	2492.50	2480.15	2484.58	2468.09	2489.33
57	2250.99	2346.74	2328.46	2267.51	2281.32	2279.56	2294.85	2294.88	2289.78	2292.07
60	2052.70	2139.82	2105.36	2067.24	2064.93	2018.78	2023.00	1993.72	2035.66	2044.10
63	1858.24	1916.10	1885.80	1833.63	1765.85	1662.35	1570.67	1520.06	1596.90	1693.88
66	1612.48	1676.39	1678.60	1514.66	1326.48	1195.32	1020.04	1045.10	1073.51	1231.86
69	1380.57	1386.40	1349.34	1092.12	861.67	706.19	699.15	702.83	725.35	800.23
72	1135.08	1089.40	951.30	675.68	529.90	504.76	533.28	535.26	549.21	532.74
75	835.74	750.15	550.31	454.11	377.35	363.87	347.70	384.59	363.54	394.04
78	514.74	416.04	296.61	263.56	208.86	161.57	121.98	128.86	141.10	161.46
81	270.55	167.99	122.67	98.73	43.61	46.16	14.26	36.10	20.63	44.41
84	82.26	53.62	22.25	13.23	2.91	4.75	0.61	2.39	0.83	1.38
87	8.83	5.14	1.10	0.61	0.00	0.05	0.63	0.00	0.17	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
93	0.01	0.14	0.04	0.20	0.22	0.00	0.00	0.00	0.00	0.01
96	0.06	0.10	0.07	0.07	0.09	0.00	0.00	0.00	0.00	0.01
99	0.25	0.01	0.00	0.00	0.01	0.01	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
105	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 : 1-96LED97DMV40.IES

CANDELA TABULATION - (Cont.)

108	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
114	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
120	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
126	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
132	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
138	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
144	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
150	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
156	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
162	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
168	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
174	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
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	300	310	320	330	340	350	360
0	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74	4228.74
3	4240.73	4243.42	4245.77	4246.45	4248.92	4248.50	4247.62
6	4231.21	4234.64	4239.60	4245.00	4249.41	4251.13	4251.80
9	4187.79	4193.57	4199.66	4205.86	4214.71	4217.52	4222.23
12	4139.17	4149.93	4159.48	4161.59	4164.57	4166.37	4170.24
15	4097.99	4110.61	4119.51	4126.30	4129.49	4117.63	4111.42
18	4051.05	4060.55	4066.15	4079.92	4086.27	4071.62	4047.28
21	3982.55	3987.22	3994.64	4003.05	4012.53	3996.86	3976.33
24	3885.98	3895.54	3907.59	3896.79	3910.19	3902.38	3899.67
27	3776.53	3784.33	3818.13	3805.77	3809.45	3809.90	3816.29
30	3659.54	3664.94	3714.89	3703.84	3721.37	3714.37	3714.21
33	3555.33	3564.06	3603.40	3574.24	3608.42	3604.97	3587.35
36	3452.03	3446.74	3463.59	3429.85	3459.18	3467.84	3462.91
39	3320.02	3297.45	3309.04	3278.38	3333.19	3303.62	3359.32
42	3174.47	3147.53	3185.00	3142.67	3219.15	3152.52	3226.99
45	3006.83	2995.40	3055.35	2974.44	3067.99	3039.58	3027.39
48	2827.40	2823.23	2899.47	2797.31	2896.92	2906.02	2832.24
51	2647.01	2641.96	2715.87	2646.20	2710.66	2725.21	2707.23
54	2467.50	2462.78	2507.08	2470.35	2528.00	2526.01	2585.67
57	2313.62	2286.17	2308.44	2291.37	2291.89	2349.19	2394.52
60	2105.67	2097.62	2089.00	2091.68	2083.81	2160.68	2146.18
63	1784.13	1854.85	1854.48	1892.32	1919.79	1932.33	1894.96
66	1319.77	1503.62	1626.38	1677.71	1682.10	1672.65	1679.40
69	861.30	1044.84	1356.39	1383.57	1409.33	1438.18	1517.59
72	581.56	628.18	892.22	1071.71	1156.11	1233.29	1342.05
75	403.86	439.70	480.30	728.52	880.79	978.46	1088.52
78	239.74	299.01	281.76	401.89	578.66	688.42	789.83

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1-96LED97DMV40.IES

CANDELA TABULATION - (Cont.)

81	61.04	127.89	135.48	209.43	325.50	438.71	537.70
84	3.51	22.17	27.40	70.01	84.84	221.96	287.31
87	0.00	2.10	0.89	4.80	7.82	53.04	105.41
90	0.00	0.00	0.00	0.00	0.00	1.41	20.00
93	0.10	0.29	0.02	0.06	0.00	0.09	0.08
96	0.03	0.04	0.02	0.04	0.01	0.01	0.01
99	0.05	0.04	0.02	0.03	0.09	0.00	0.01
102	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
108	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
114	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
120	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
126	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
132	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
138	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
144	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
150	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
156	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
162	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
168	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
174	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
180	0.00	0.00	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	1276.92	N.A.	10.30
0-30	3342.59	N.A.	27.00
0-40	5298.86	N.A.	42.80
0-60	10042.91	N.A.	81.10
0-80	12227.18	N.A.	98.70
0-90	12386.96	N.A.	100.00
10-90	12060.14	N.A.	97.40
20-40	4021.94	N.A.	32.50
20-50	6118.28	N.A.	49.40
40-70	6209.73	N.A.	50.10
60-80	2184.28	N.A.	17.60
70-80	718.59	N.A.	5.80
80-90	159.77	N.A.	1.30
90-110	0.57	N.A.	0.00
90-120	0.57	N.A.	0.00
90-130	0.57	N.A.	0.00
90-150	0.57	N.A.	0.00
90-180	0.57	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	12387.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	326.81
10-20	950.11
20-30	2065.67
30-40	1956.27
40-50	2096.34
50-60	2647.71
60-70	1465.69
70-80	718.59
80-90	159.77
90-100	0.55
100-110	0.02
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

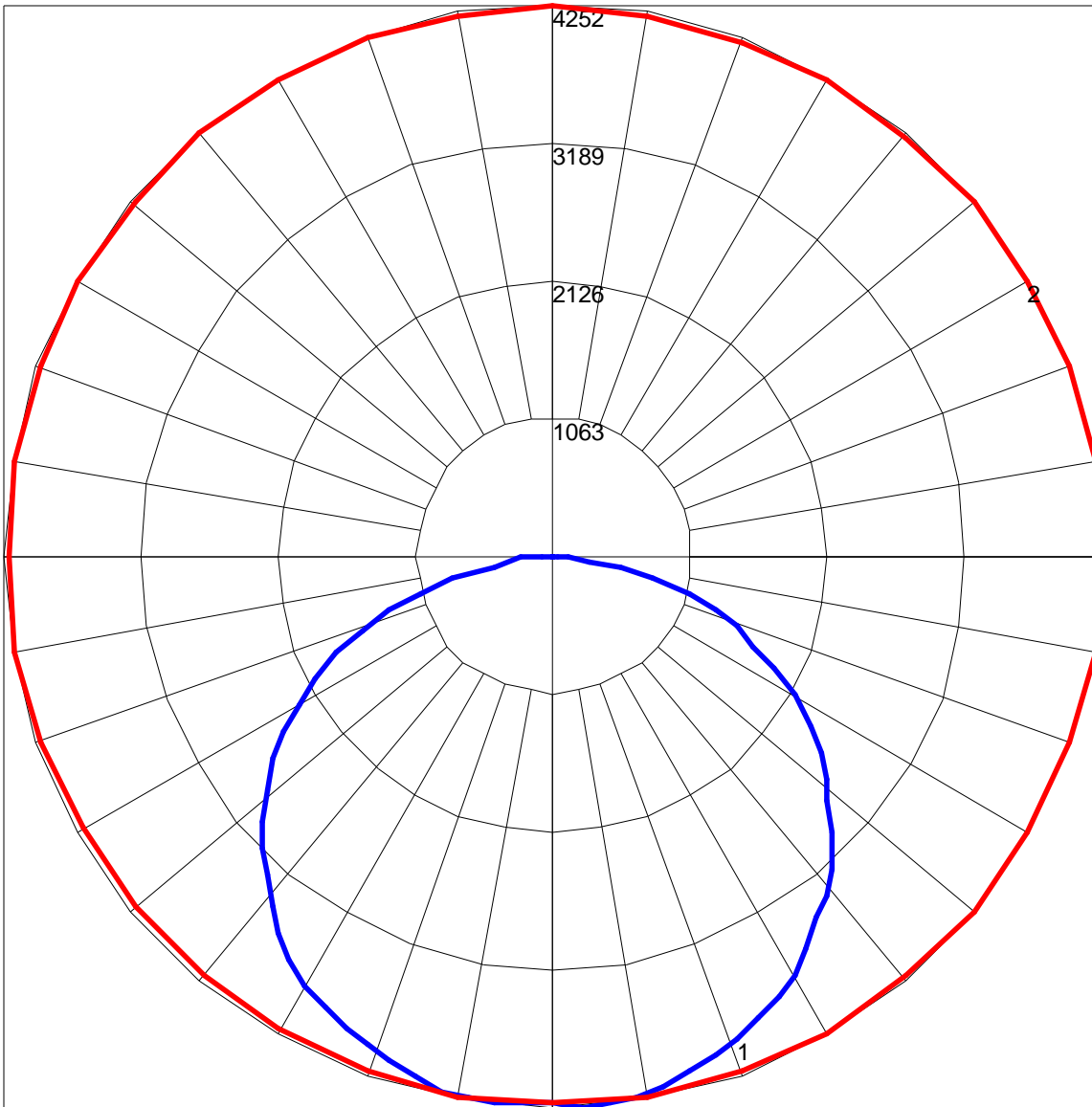
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1-96LED97DMV40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	43	39	37
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 4251.8 Located At Horizontal Angle = 0, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)