



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1-96LED114DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1-96LED114DMV40
 [TESTDATE] 11-Apr-2018 06:54:47
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 4/11/2018 8:27:36 AM
 [MANUFAC] Mobern Lighting Co.
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 14005
 [DRIVER TYPE] (2) OSRAM OT50W
 [BOARD/LAMP TYPE] (8) LUMA SMART "S" BOARDS
 [COLOR TEMP] 4,152 CCT
 [LUMEN/WATT] 121 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	14011
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	115.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
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	7694	6170	5828
55	7693	5638	5287
65	7219	4709	3106
75	6878	2058	1372
85	3257	218	28

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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	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31
3	4821.53	4818.15	4814.03	4814.80	4810.82	4808.80	4808.57	4808.51	4808.93	4811.04
6	4778.09	4774.65	4775.12	4773.20	4769.96	4766.30	4763.63	4759.21	4756.77	4759.00
9	4747.09	4742.88	4740.81	4737.13	4739.61	4742.27	4738.64	4727.35	4714.97	4708.48
12	4713.19	4710.14	4705.82	4702.31	4710.83	4719.53	4720.31	4703.33	4682.63	4667.76
15	4655.64	4666.36	4672.88	4657.39	4651.71	4663.20	4659.41	4647.52	4639.49	4636.77
18	4579.46	4616.33	4624.29	4589.09	4560.74	4567.06	4557.01	4549.29	4575.06	4593.38
21	4494.32	4534.17	4544.67	4491.00	4463.74	4470.46	4467.13	4460.14	4487.80	4516.13
24	4402.87	4424.50	4432.57	4373.74	4360.79	4378.18	4389.20	4381.27	4386.06	4407.73
27	4303.45	4300.81	4306.63	4272.87	4253.18	4263.00	4288.66	4275.12	4260.46	4279.42
30	4186.61	4164.24	4191.03	4174.91	4134.12	4130.34	4153.69	4142.52	4133.48	4150.64
33	4048.46	4027.76	4065.54	4066.00	4024.49	4020.22	4025.73	4006.32	4023.13	4033.59
36	3913.90	3884.25	3901.61	3907.79	3878.52	3892.59	3899.79	3886.37	3907.56	3905.66
39	3798.75	3721.86	3739.69	3691.83	3715.11	3733.15	3736.32	3745.81	3758.01	3746.21
42	3654.55	3562.18	3593.47	3538.60	3589.30	3564.47	3573.91	3560.08	3574.09	3577.12
45	3442.68	3423.60	3437.08	3381.60	3438.64	3381.22	3410.43	3388.83	3392.53	3420.42
48	3224.72	3259.33	3261.04	3190.02	3246.47	3184.57	3233.89	3238.07	3214.99	3254.95
51	3060.59	3056.08	3046.21	3004.58	3041.55	3004.34	3042.34	3064.92	3032.20	3061.00
54	2903.74	2843.83	2819.94	2796.91	2821.53	2837.71	2837.64	2875.44	2831.14	2866.49
57	2696.07	2637.12	2538.60	2584.26	2609.73	2657.39	2650.52	2658.29	2650.06	2673.88
60	2443.18	2399.98	2321.01	2340.18	2378.25	2449.73	2414.56	2370.64	2376.44	2340.36
63	2171.95	2160.51	2163.51	2107.53	2128.33	2183.23	2073.07	1951.74	1880.30	1771.91
66	1927.78	1918.00	1955.09	1886.47	1871.50	1808.41	1592.03	1425.47	1279.41	1243.31
69	1736.14	1661.43	1613.12	1586.55	1577.04	1312.67	1051.84	932.76	901.29	905.29
72	1528.06	1386.80	1318.13	1258.72	1091.45	888.42	700.04	643.36	712.93	689.06
75	1235.96	1087.74	999.84	880.40	706.43	624.55	510.67	497.09	508.46	507.94
78	893.20	775.76	674.18	551.38	406.03	392.09	338.50	295.86	249.19	261.04
81	599.59	521.36	441.68	302.32	253.60	243.11	156.72	128.68	82.02	99.27
84	313.52	301.19	177.25	128.28	79.74	60.75	26.67	15.65	9.78	11.35
87	111.78	112.31	46.29	24.48	9.38	2.46	0.83	0.00	0.08	0.03
90	28.30	10.82	2.52	2.61	0.42	0.00	0.00	0.00	0.00	0.00
93	0.18	0.29	0.79	0.03	0.16	0.20	0.26	0.00	0.00	0.00
96	0.03	0.03	0.12	0.06	0.08	0.06	0.08	0.00	0.00	0.00
99	0.01	0.02	0.61	0.12	0.04	0.05	0.02	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	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31
3	4812.58	4815.47	4818.35	4820.61	4823.02	4825.50	4824.34	4826.48	4828.31	4829.83
6	4766.47	4777.05	4789.54	4797.31	4801.31	4801.82	4798.74	4793.85	4793.58	4793.82
9	4715.21	4731.86	4753.39	4768.94	4770.81	4765.43	4766.69	4767.83	4773.49	4775.54
12	4664.79	4676.85	4704.50	4723.71	4723.95	4709.72	4713.70	4730.44	4746.91	4750.15
15	4621.31	4614.80	4634.78	4663.26	4660.93	4651.79	4665.57	4680.81	4690.85	4687.18
18	4568.35	4531.23	4537.49	4569.16	4566.03	4571.96	4599.23	4626.11	4625.92	4618.82
21	4483.90	4446.46	4442.41	4459.13	4455.59	4457.01	4485.88	4529.28	4574.80	4550.84
24	4382.85	4372.02	4374.17	4375.22	4364.99	4353.98	4346.82	4402.43	4523.00	4463.65
27	4275.70	4287.66	4295.98	4282.04	4286.27	4289.67	4305.13	4283.58	4450.29	4323.99
30	4160.71	4166.55	4153.19	4133.39	4159.69	4208.27	4127.29	4158.78	4351.02	4138.44
33	4020.78	4004.31	3990.08	3996.75	4010.26	4104.88	4035.66	3994.11	4224.07	3967.88
36	3868.92	3855.50	3863.78	3893.24	3829.62	3945.61	3950.72	3807.78	4070.92	3803.29
39	3742.28	3723.88	3730.69	3779.27	3671.41	3702.70	3828.17	3645.01	3896.95	3656.35
42	3604.68	3559.01	3564.68	3601.91	3560.38	3529.26	3635.42	3487.19	3721.23	3511.68
45	3420.49	3384.56	3391.79	3389.81	3399.38	3406.76	3400.61	3328.60	3559.84	3369.87
48	3211.12	3225.78	3234.74	3195.73	3187.15	3272.46	3168.31	3173.01	3404.63	3214.26
51	3012.36	3052.03	3046.42	2999.40	2994.12	3088.09	2917.67	3035.75	3241.58	3052.42
54	2807.75	2863.82	2810.10	2773.23	2802.31	2847.61	2723.72	2868.06	3059.82	2862.10
57	2623.81	2641.72	2603.11	2562.39	2620.23	2609.84	2510.48	2649.49	2850.61	2663.98
60	2345.40	2348.12	2378.02	2376.18	2387.95	2361.75	2281.33	2392.12	2611.47	2449.96
63	1839.97	1946.15	2047.97	2136.77	2143.03	2116.54	2067.41	2173.82	2345.04	2212.73
66	1241.83	1425.32	1552.45	1792.68	1904.88	1883.39	1812.72	1944.07	2068.06	1934.06
69	848.07	903.85	992.13	1294.25	1529.56	1601.34	1550.62	1670.68	1794.25	1649.40
72	678.91	675.56	695.28	826.12	1088.21	1277.30	1286.59	1362.94	1511.17	1367.09
75	495.40	536.03	530.61	555.92	636.43	890.32	982.08	1060.18	1204.64	1070.97
78	216.34	318.11	355.54	364.00	389.29	526.07	656.12	763.32	878.94	759.91
81	49.87	120.90	144.78	183.87	214.16	274.37	361.95	441.83	524.33	428.64
84	3.66	14.25	23.52	51.07	70.26	118.80	120.50	225.01	268.18	225.51
87	0.25	0.59	5.84	11.94	17.51	14.49	18.08	61.88	89.43	58.60
90	0.00	0.00	0.00	0.00	0.02	1.01	1.31	4.54	13.89	2.72
93	0.00	0.00	0.38	0.33	0.01	0.37	0.59	3.36	5.77	0.22
96	0.01	0.01	0.10	0.01	0.03	0.03	0.10	1.72	3.86	0.03
99	0.00	0.00	0.00	0.01	0.01	0.04	0.27	0.42	1.70	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	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31
3	4831.07	4838.03	4839.32	4843.64	4847.67	4850.31	4851.78	4852.02	4850.63	4848.02
6	4799.51	4805.44	4810.39	4814.70	4820.70	4823.51	4823.91	4823.10	4819.46	4815.41
9	4776.54	4774.12	4774.73	4776.10	4776.65	4774.15	4770.13	4766.74	4766.66	4766.02
12	4744.59	4734.79	4732.12	4728.27	4725.75	4717.38	4709.28	4706.61	4711.67	4718.57
15	4681.82	4662.37	4651.01	4656.98	4660.92	4661.40	4657.76	4661.48	4665.99	4671.10
18	4590.51	4564.37	4548.52	4571.76	4585.07	4588.13	4600.65	4613.06	4613.33	4601.86
21	4500.48	4463.41	4459.65	4490.12	4506.17	4497.43	4511.26	4538.35	4527.38	4509.25
24	4397.01	4372.85	4381.02	4412.90	4415.17	4390.90	4404.95	4432.89	4406.45	4389.24
27	4264.13	4304.11	4309.33	4322.54	4316.17	4288.37	4306.76	4301.26	4261.62	4270.44
30	4141.36	4225.85	4194.57	4186.23	4179.97	4179.47	4209.73	4163.29	4132.86	4177.69
33	4054.50	4123.43	4038.03	4035.81	4022.32	4034.00	4077.98	4035.66	4036.79	4059.19
36	3989.22	3963.71	3847.34	3905.98	3890.54	3892.89	3920.19	3905.93	3925.11	3897.95
39	3881.50	3737.85	3697.39	3787.06	3754.65	3761.94	3772.70	3758.98	3755.15	3738.03
42	3692.68	3582.81	3586.28	3620.39	3587.29	3587.70	3617.35	3597.12	3556.95	3564.08
45	3443.55	3466.94	3400.22	3406.67	3404.54	3391.56	3434.00	3424.81	3382.44	3389.04
48	3196.09	3327.02	3180.75	3206.89	3235.44	3214.64	3224.03	3237.17	3209.70	3232.79
51	2937.91	3121.48	3019.73	3014.81	3046.06	3034.79	3010.57	3032.91	3016.75	3063.86
54	2741.74	2858.16	2849.98	2793.41	2821.61	2842.99	2790.10	2834.01	2802.27	2860.96
57	2537.74	2635.06	2645.56	2574.71	2615.98	2620.06	2604.40	2637.60	2611.90	2624.66
60	2323.35	2411.09	2379.80	2364.03	2369.07	2344.27	2343.68	2323.23	2343.23	2370.58
63	2112.83	2166.44	2125.07	2097.87	2043.34	1971.78	1874.76	1807.35	1882.73	2033.02
66	1840.41	1909.29	1897.35	1746.54	1567.31	1458.33	1290.78	1265.92	1321.16	1520.29
69	1560.28	1599.44	1512.37	1289.73	1035.42	889.46	879.24	827.03	848.04	920.89
72	1285.41	1262.25	1104.85	835.23	610.91	619.65	640.60	617.49	669.75	624.47
75	959.39	870.29	657.62	546.70	460.70	454.81	437.51	429.56	508.04	453.86
78	641.70	501.15	372.31	311.27	271.73	248.67	181.44	158.92	174.37	201.21
81	314.28	212.23	151.90	126.92	64.98	59.91	36.60	47.18	35.37	59.98
84	93.30	70.76	31.77	19.13	5.04	3.56	3.01	2.99	2.50	2.22
87	15.56	6.55	2.52	0.30	0.00	0.00	0.19	0.00	0.00	0.00
90	0.47	0.30	0.44	0.30	0.00	0.00	0.00	0.00	0.00	0.00
93	0.01	0.02	0.06	0.30	0.37	0.00	0.00	0.00	0.00	0.01
96	0.06	0.03	0.06	0.12	0.16	0.01	0.00	0.00	0.00	0.01
99	0.26	0.09	0.00	0.00	0.02	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
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 : 1-96LED114DMV40.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	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31	4847.31
3	4844.38	4839.54	4834.75	4833.56	4825.59	4823.99	4821.53
6	4809.14	4800.67	4796.02	4791.63	4786.21	4779.54	4778.09
9	4762.19	4754.74	4748.86	4745.96	4748.57	4747.24	4747.09
12	4718.87	4710.91	4707.57	4706.38	4710.81	4712.49	4713.19
15	4661.78	4649.21	4645.61	4658.22	4663.79	4653.32	4655.64
18	4586.05	4572.84	4584.35	4610.63	4605.37	4588.18	4579.46
21	4496.54	4486.61	4514.71	4549.85	4538.77	4510.02	4494.32
24	4385.98	4382.30	4403.86	4430.40	4438.98	4417.89	4402.87
27	4285.74	4279.15	4281.38	4303.48	4307.24	4303.24	4303.45
30	4181.48	4169.22	4162.06	4185.48	4186.79	4169.66	4186.61
33	4049.99	4048.79	4039.96	4061.89	4070.81	4041.18	4048.46
36	3911.16	3916.35	3892.66	3911.85	3933.44	3907.96	3913.90
39	3761.02	3765.00	3738.35	3725.25	3793.59	3747.83	3798.75
42	3588.20	3588.01	3608.44	3564.82	3645.71	3592.85	3654.55
45	3390.99	3402.70	3458.20	3378.84	3470.20	3477.48	3442.68
48	3209.21	3215.75	3276.31	3177.19	3273.44	3332.82	3224.72
51	3034.02	3019.85	3080.20	3008.67	3055.04	3112.82	3060.59
54	2830.29	2809.33	2861.45	2811.08	2858.04	2859.81	2903.74
57	2634.38	2584.49	2628.42	2586.46	2602.13	2630.23	2696.07
60	2405.22	2373.19	2361.46	2337.81	2359.68	2391.06	2443.18
63	2092.95	2140.58	2099.02	2122.38	2169.82	2142.41	2171.95
66	1602.87	1795.52	1845.59	1910.32	1905.70	1890.47	1927.78
69	1083.32	1282.42	1463.30	1596.09	1594.06	1643.92	1736.14
72	693.69	754.01	1022.04	1239.28	1305.38	1392.90	1528.06
75	489.39	524.50	568.53	841.10	998.23	1106.20	1235.96
78	294.82	335.85	350.08	485.80	667.43	785.90	893.20

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1-96LED114DMV40.IES

CANDELA TABULATION - (Cont.)

81	88.71	143.60	182.54	253.78	375.62	509.04	599.59
84	6.18	18.14	46.55	97.49	101.56	256.67	313.52
87	0.00	0.13	2.22	7.26	10.49	62.28	111.78
90	0.00	0.00	0.11	0.47	0.00	7.26	28.30
93	0.14	0.35	0.07	0.02	0.00	0.08	0.18
96	0.04	0.06	0.06	0.03	0.02	0.01	0.03
99	0.03	0.03	0.03	0.03	0.17	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
PHOTOMETRIC FILENAME : 1-96LED114DMV40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1446.08	N.A.	10.30
0-30	3784.59	N.A.	27.00
0-40	5996.55	N.A.	42.80
0-60	11358.17	N.A.	81.10
0-80	13830.06	N.A.	98.70
0-90	14010.43	N.A.	100.00
10-90	13639.7	N.A.	97.30
20-40	4550.47	N.A.	32.50
20-50	6919.52	N.A.	49.40
40-70	7021.5	N.A.	50.10
60-80	2471.88	N.A.	17.60
70-80	812.00	N.A.	5.80
80-90	180.38	N.A.	1.30
90-110	0.58	N.A.	0.00
90-120	0.58	N.A.	0.00
90-130	0.58	N.A.	0.00
90-150	0.58	N.A.	0.00
90-180	0.58	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	14011.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	370.74
10-20	1075.34
20-30	2338.51
30-40	2211.96
40-50	2369.04
50-60	2992.58
60-70	1659.88
70-80	812.00
80-90	180.38
90-100	0.57
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

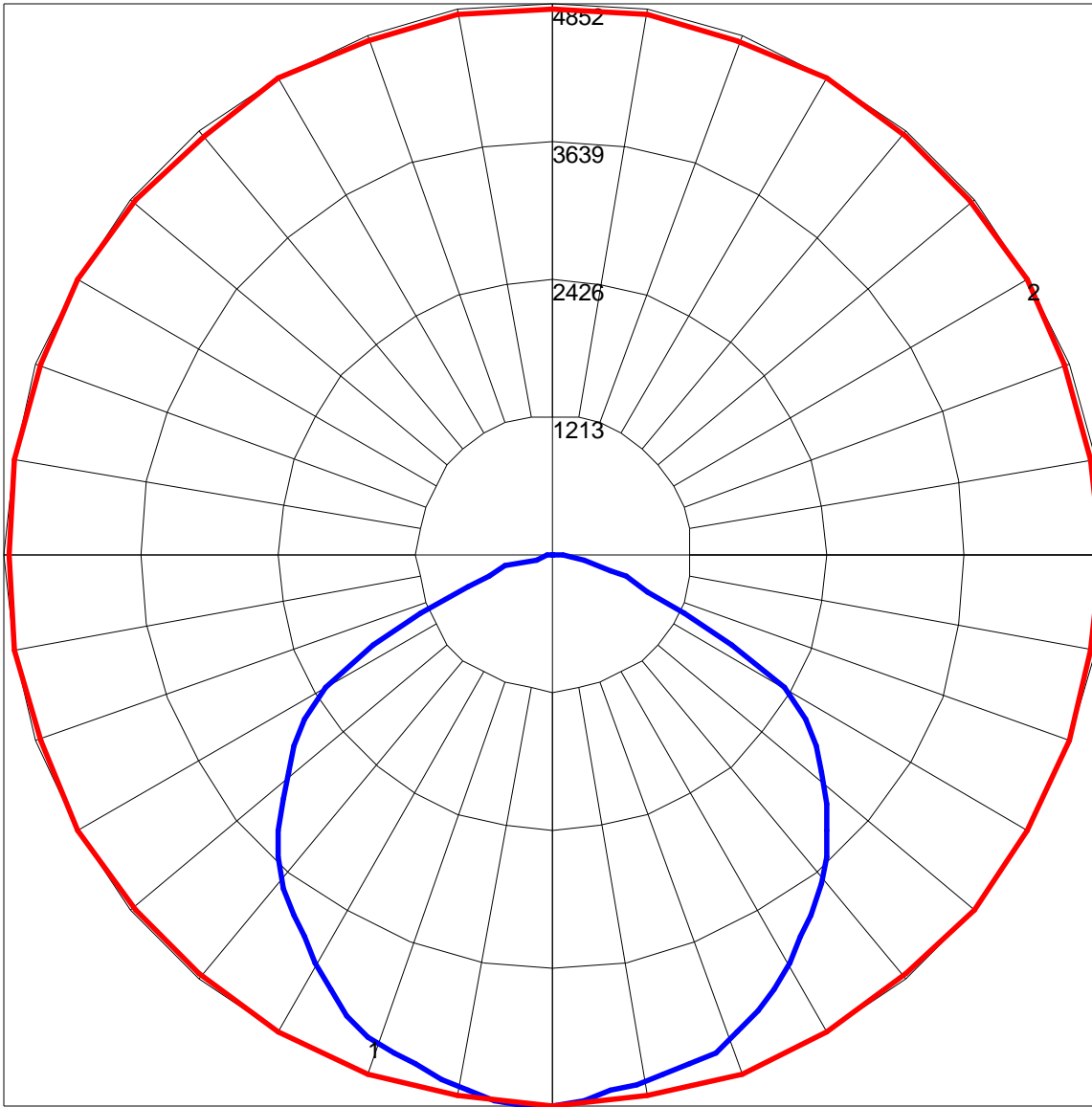
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1-96LED114DMV40.IES

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	44	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 = 4852.02 Located At Horizontal Angle = 270, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)