



IES INDOOR REPORT

PHOTOMETRIC FILENAME : R2L24MFA35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]1411031240-007P3
[TESTLAB]Intertek
[ISSUEDATE]11/10/2014
[LUMCAT]1411031240-007 MOD: R2L24MFA35/S2L24MFA35
[LUMINAIRE]LED RECESSED/SURFACE 2X4
[LAMP]LED
[LAMPCAT]NA. LUMINAIRE OUTPUT = 5938LMS
[OTHER]120.06 VAC, 57.5 W, 0.9979 PF
[MANUFAC] LAMAR LIGHTING CO., INC.
[_SEARCH_SOURCE] LED
[_SEARCH_APPLICATION] Indoor
[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5938
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	57.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.83 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2533	2894	3149
55	2132	2718	3094
65	1726	2652	3054
75	1284	2590	2572
85	803	1449	793

IES INDOOR REPORT
PHOTOMETRIC FILENAME : R2L24MFA35.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2241.088	2241.088	2241.088	2241.088	2241.088
2.5	2234.705	2242.790	2240.663	2242.932	2230.024
5.0	2225.485	2233.286	2232.719	2234.847	2223.357
7.5	2211.300	2217.967	2219.243	2222.506	2212.718
10.0	2191.015	2197.682	2198.817	2205.200	2195.838
12.5	2164.489	2170.872	2174.419	2182.220	2174.844
15.0	2130.161	2137.112	2145.623	2154.701	2149.453
17.5	2087.323	2096.827	2109.309	2123.636	2118.388
20.0	2037.817	2050.442	2067.606	2085.762	2084.202
22.5	1983.488	1997.815	2021.221	2042.498	2042.782
25.0	1919.798	1939.657	1967.318	1993.985	1996.539
27.5	1848.589	1871.427	1907.741	1940.933	1946.466
30.0	1769.721	1796.530	1842.631	1881.924	1891.144
32.5	1683.050	1714.966	1773.125	1820.503	1832.702
35.0	1591.557	1629.147	1698.228	1752.982	1769.721
37.5	1495.666	1539.356	1619.643	1681.206	1702.058
40.0	1396.655	1448.288	1535.952	1605.884	1631.700
42.5	1295.800	1355.802	1450.416	1528.150	1558.931
45.0	1194.944	1262.749	1365.306	1451.125	1485.311
47.5	1096.642	1171.114	1280.905	1375.236	1409.989
50.0	1000.752	1080.613	1198.632	1299.772	1333.957
52.5	906.705	991.106	1117.636	1225.442	1258.209
55.0	815.779	903.584	1040.044	1152.531	1183.880
57.5	728.116	817.907	965.289	1080.897	1109.267
60.0	644.708	733.223	891.527	1009.121	1028.980
62.5	564.279	650.950	819.184	932.806	943.586
65.0	486.545	571.230	747.549	850.958	861.029
67.5	412.358	495.766	673.646	769.678	778.047
70.0	342.426	424.983	596.479	686.696	686.696
72.5	278.168	358.029	521.582	595.061	577.188
75.0	221.712	295.757	447.111	485.411	444.132
77.5	170.929	237.457	367.108	356.753	305.119
80.0	124.544	181.001	277.600	227.386	187.100
82.5	82.982	127.239	178.447	123.835	102.416
85.0	46.669	73.478	84.259	53.336	46.101
87.5	16.029	20.426	15.320	10.781	10.497
90.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : R2L24MFA35.IES

CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.142	0.000	0.000
170.0	0.000	0.000	0.000	0.142	0.142
172.5	0.000	0.000	0.142	0.142	0.142
175.0	0.000	0.000	0.000	0.000	0.142
177.5	0.000	0.000	0.142	0.000	0.142
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : R2L24MFA35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	816.62	N.A.	13.80
0-30	1720.73	N.A.	29.00
0-40	2776.77	N.A.	46.80
0-60	4739.98	N.A.	79.80
0-80	5852.37	N.A.	98.60
0-90	5938.02	N.A.	100.00
10-90	5726.06	N.A.	96.40
20-40	1960.15	N.A.	33.00
20-50	3006.27	N.A.	50.60
40-70	2667.32	N.A.	44.90
60-80	1112.4	N.A.	18.70
70-80	408.28	N.A.	6.90
80-90	85.65	N.A.	1.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.01	N.A.	0.00
0-180	5938.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	211.96
10-20	604.66
20-30	904.11
30-40	1056.04
40-50	1046.12
50-60	917.08
60-70	704.12
70-80	408.28
80-90	85.65
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	0.01

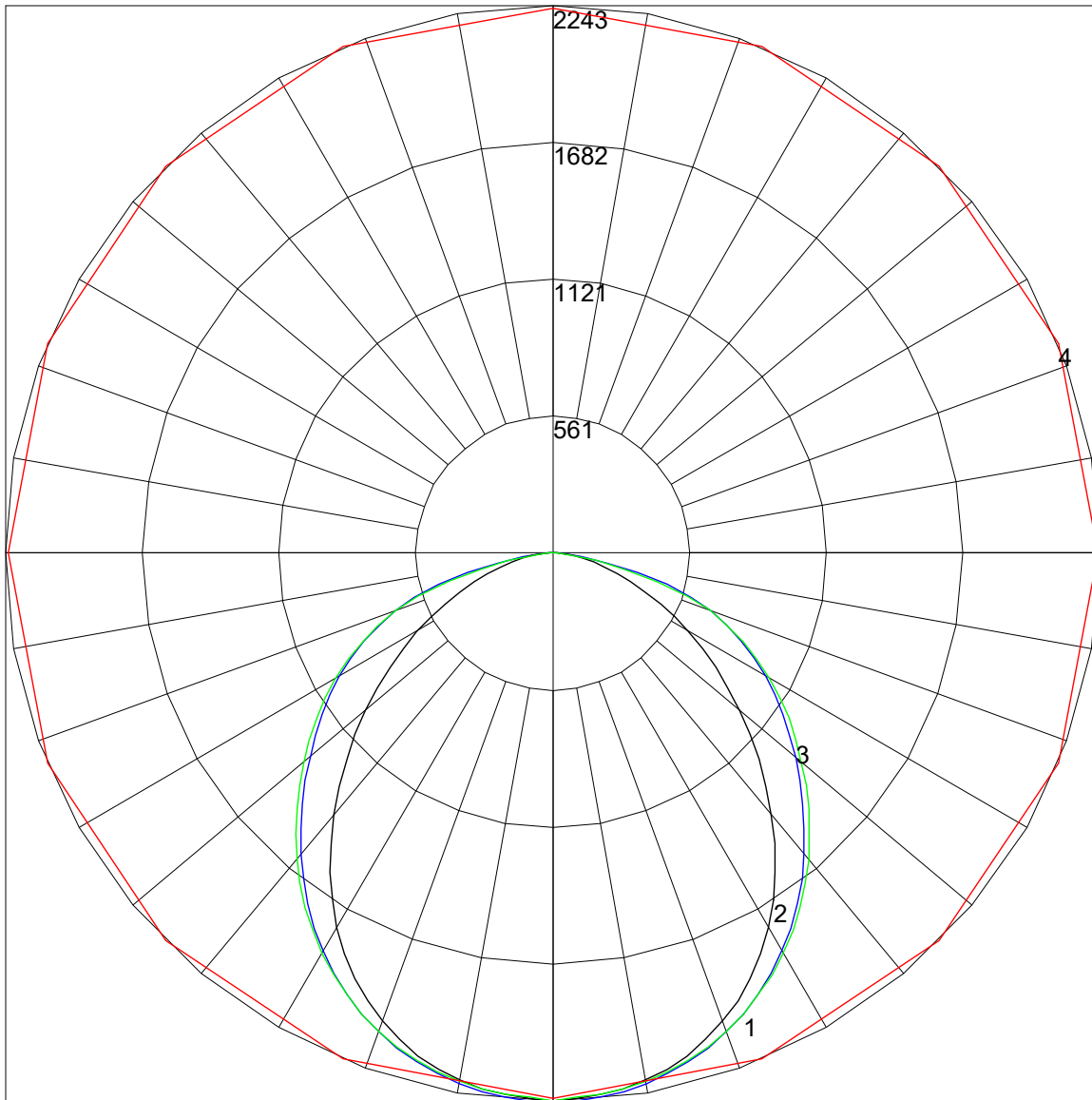
IES INDOOR REPORT
PHOTOMETRIC FILENAME : R2L24MFA35.IES

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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 2242.932 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Vertical Plane Through Horizontal Angles (90 - 270)
4 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)