



IES INDOOR REPORT
PHOTOMETRIC FILENAME : R1L22MFA40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]1512035240-003P2
 [TESTLAB]Intertek
 [ISSUEDATE]01/11/2017
 [LUMCAT]R1L22MFA40/S1L22MFA40
 [LUMINAIRE]LED RECESSED/SURFACE 2X2
 [LAMP]LED
 [LAMPCAT]NA. LUMINAIRE OUTPUT = 3400 LMS
 [OTHER]120.02 VAC, 34.5 W, 0.9963 PF
 [MANUFAC] LAMAR LIGHTING CO., INC.
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	34.5
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)	1.92 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	2917	3381	3728
55	2390	3147	3676
65	1955	3054	3628
75	1540	2942	2899
85	969	1597	933

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : R1L22MFA40.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	1304.194	1304.194	1304.194	1304.194	1304.194
2.5	1302.639	1308.341	1305.490	1300.824	1299.140
5.0	1300.306	1306.138	1302.898	1296.548	1294.993
7.5	1293.049	1298.362	1297.714	1290.716	1288.773
10.0	1273.481	1281.775	1284.755	1281.386	1278.794
12.5	1253.654	1261.170	1269.334	1269.075	1266.094
15.0	1230.975	1239.528	1247.693	1254.042	1250.673
17.5	1205.446	1214.777	1225.662	1235.381	1233.956
20.0	1174.993	1186.396	1200.651	1214.129	1214.258
22.5	1139.355	1152.833	1172.271	1187.692	1189.895
25.0	1100.219	1114.863	1138.837	1157.239	1162.811
27.5	1057.066	1073.135	1102.163	1125.619	1133.912
30.0	1010.154	1028.685	1063.027	1091.018	1101.256
32.5	960.780	981.255	1022.076	1055.770	1067.562
35.0	908.037	930.586	977.627	1016.245	1029.852
37.5	852.054	877.324	930.845	974.128	989.031
40.0	794.128	822.637	881.860	929.808	946.914
42.5	734.516	766.914	831.320	884.452	904.149
45.0	673.998	712.227	781.169	838.966	861.255
47.5	614.257	658.188	731.147	793.739	818.102
50.0	556.330	605.185	682.421	748.512	774.171
52.5	500.606	553.479	635.121	704.062	730.758
55.0	447.863	503.716	589.764	661.039	688.900
57.5	398.619	456.157	546.870	618.922	647.432
60.0	353.003	410.800	504.623	577.453	601.816
62.5	309.591	366.740	463.155	531.837	551.405
65.0	269.936	323.457	421.686	482.593	500.995
67.5	231.448	281.210	379.440	434.386	449.548
70.0	195.292	241.556	335.509	386.049	393.435
72.5	161.210	203.845	292.485	332.398	325.789
75.0	130.238	168.208	248.813	268.510	245.184
77.5	101.858	133.866	202.031	195.033	166.264
80.0	75.162	100.821	150.843	124.795	102.247
82.5	49.763	68.812	95.897	69.590	57.279
85.0	27.603	37.711	45.486	31.102	26.566
87.5	9.071	9.460	9.330	7.387	6.609
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 : R1L22MFA40.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	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : R1L22MFA40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	474.90	N.A.	14.00
0-30	997.59	N.A.	29.30
0-40	1605.52	N.A.	47.20
0-60	2724.39	N.A.	80.10
0-80	3352.49	N.A.	98.60
0-90	3399.78	N.A.	100.00
10-90	3276.2	N.A.	96.40
20-40	1130.62	N.A.	33.30
20-50	1728.9	N.A.	50.90
40-70	1518.19	N.A.	44.70
60-80	628.10	N.A.	18.50
70-80	228.78	N.A.	6.70
80-90	47.28	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	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3399.78	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.58
10-20	351.32
20-30	522.69
30-40	607.93
40-50	598.28
50-60	520.59
60-70	399.32
70-80	228.78
80-90	47.28
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

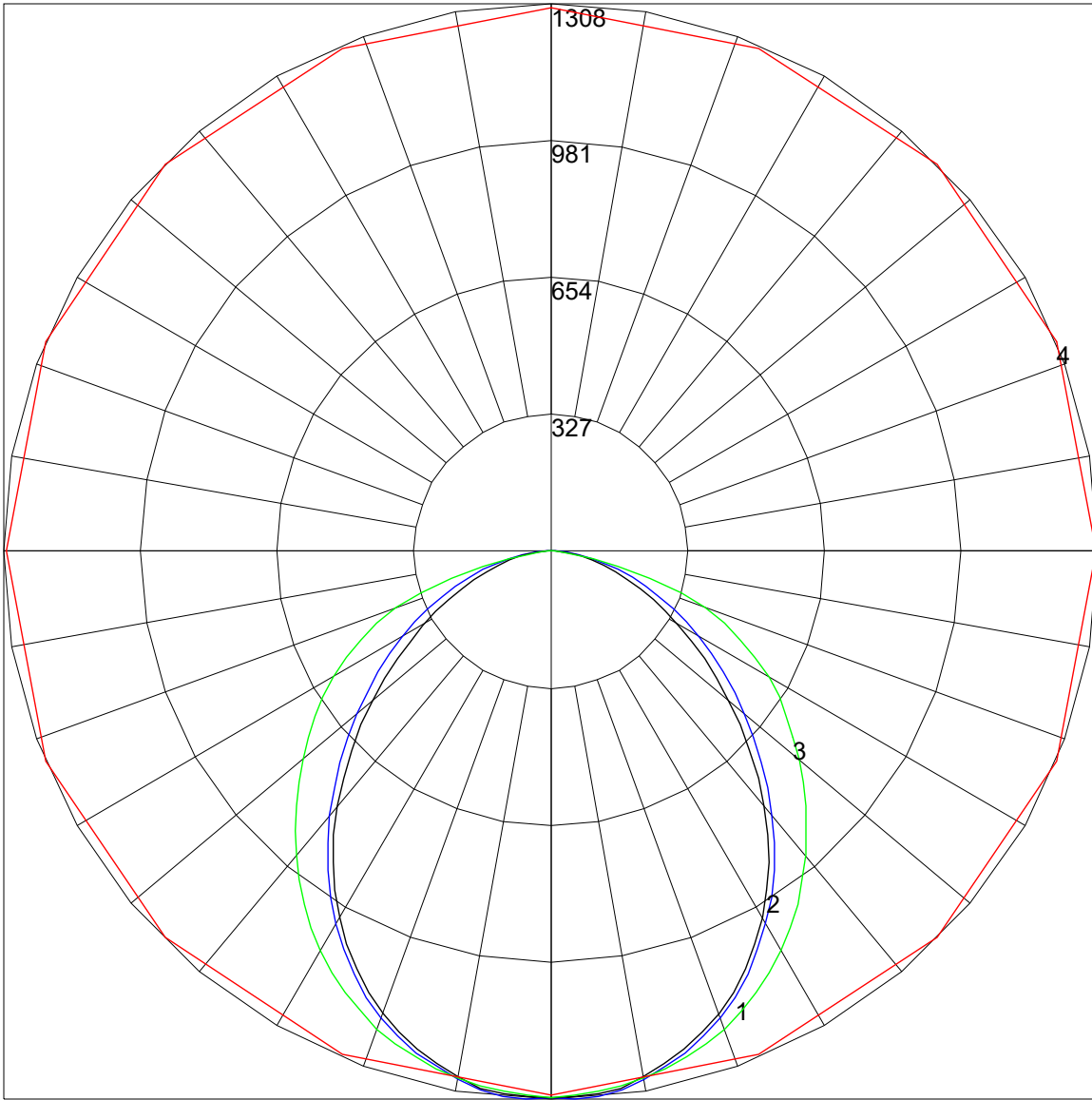
IES INDOOR REPORT
PHOTOMETRIC FILENAME : R1L22MFA40.IES

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	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1308.341 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (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.)