



IES INDOOR REPORT

PHOTOMETRIC FILENAME : R2L22LFA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]1411031240-004P
[TESTLAB]Intertek
[ISSUEDATE]11/10/2017
[LUMCAT]1411031240-004 MOD: R2L22LFA30/S2L22LFA30
[LUMINAIRE]LED RECESSED/SURFACE 2X2
[LAMP]LED
[LAMPCAT]NA. LUMINAIRE OUTPUT = 2632 LMS
[OTHER]120.02 VAC, 223.20 mA, 26.691 W, 0.9963 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	2633
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	26.7
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	2259	2619	2887
55	1851	2437	2847
65	1514	2365	2810
75	1193	2279	2245
85	751	1237	722

IES INDOOR REPORT
PHOTOMETRIC FILENAME : R2L22LFA30.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	1010.023	1010.023	1010.023	1010.023	1010.023
2.5	1008.819	1013.235	1011.027	1007.414	1006.109
5.0	1007.012	1011.528	1009.019	1004.102	1002.897
7.5	1001.392	1005.507	1005.005	999.586	998.080
10.0	986.238	992.661	994.969	992.360	990.352
12.5	970.883	976.704	983.026	982.825	980.517
15.0	953.320	959.943	966.266	971.184	968.574
17.5	933.549	940.775	949.205	956.732	955.628
20.0	909.964	918.796	929.835	940.273	940.373
22.5	882.365	892.803	907.857	919.799	921.506
25.0	852.056	863.397	881.964	896.215	900.530
27.5	818.637	831.081	853.562	871.727	878.150
30.0	782.306	796.658	823.253	844.931	852.859
32.5	744.069	759.926	791.539	817.633	826.766
35.0	703.223	720.685	757.116	787.023	797.561
37.5	659.867	679.437	720.886	754.406	765.948
40.0	615.006	637.085	682.950	720.083	733.331
42.5	568.840	593.930	643.809	684.957	700.212
45.0	521.972	551.579	604.970	649.731	666.993
47.5	475.706	509.728	566.231	614.705	633.573
50.0	430.845	468.681	528.496	579.679	599.551
52.5	387.691	428.638	491.864	545.256	565.930
55.0	346.844	390.099	456.738	511.936	533.514
57.5	308.707	353.267	423.519	479.319	501.399
60.0	273.381	318.141	390.802	447.204	466.072
62.5	239.760	284.019	358.687	411.877	427.032
65.0	209.050	250.499	326.571	373.741	387.992
67.5	179.243	217.781	293.854	336.407	348.149
70.0	151.243	187.071	259.832	298.972	304.693
72.5	124.848	157.866	226.513	257.423	252.305
75.0	100.862	130.267	192.691	207.946	189.881
77.5	78.883	103.672	156.461	151.042	128.762
80.0	58.209	78.080	116.819	96.647	79.184
82.5	38.538	53.291	74.266	53.893	44.359
85.0	21.377	29.205	35.226	24.086	20.574
87.5	7.025	7.326	7.226	5.721	5.118
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 : R2L22LFA30.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 : R2L22LFA30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	367.78	N.A.	14.00
0-30	772.58	N.A.	29.30
0-40	1243.38	N.A.	47.20
0-60	2109.88	N.A.	80.10
0-80	2596.31	N.A.	98.60
0-90	2632.93	N.A.	100.00
10-90	2537.23	N.A.	96.40
20-40	875.60	N.A.	33.30
20-50	1338.93	N.A.	50.90
40-70	1175.75	N.A.	44.70
60-80	486.43	N.A.	18.50
70-80	177.18	N.A.	6.70
80-90	36.62	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	2632.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.70
10-20	272.08
20-30	404.79
30-40	470.81
40-50	463.33
50-60	403.16
60-70	309.25
70-80	177.18
80-90	36.62
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

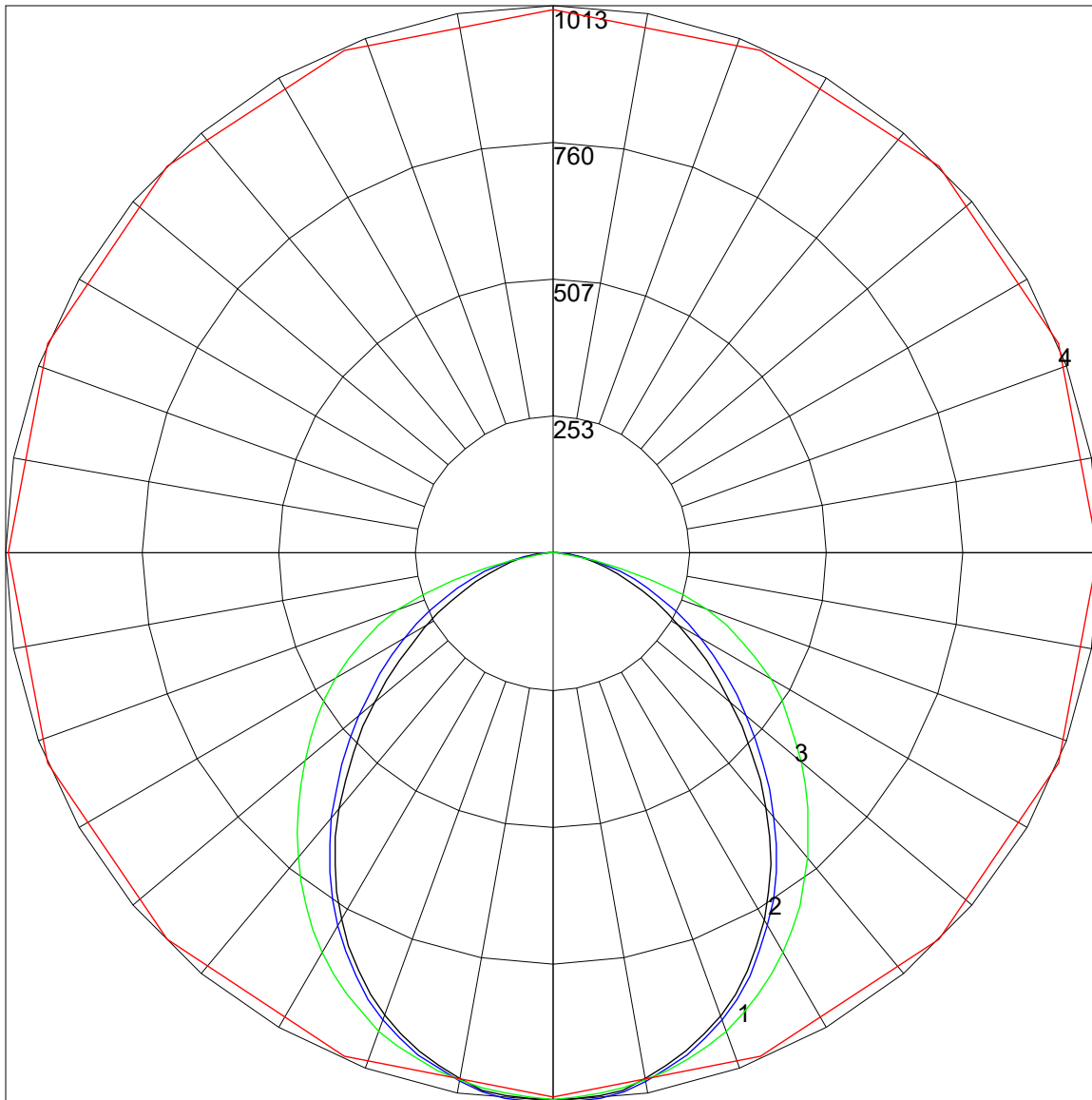
IES INDOOR REPORT
PHOTOMETRIC FILENAME : R2L22LFA30.IES

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 = 1013.235 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.)