



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-75L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]08/18/17
[TEST]DATE]04/26/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPEC22-LED-75L-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCE]TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7340
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5166	6213	7164
55	4738	6352	7880
65	4287	6454	8805
75	3651	6812	10614
85	2794	7377	12183

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2141.423	2141.423	2141.423	2141.423	2141.423
2.5	2181.281	2166.787	2141.423	2123.307	2112.436
5.0	2181.281	2163.164	2145.047	2123.307	2112.436
7.5	2170.411	2155.917	2137.800	2126.930	2116.060
10.0	2155.917	2145.047	2134.177	2126.930	2123.307
12.5	2134.177	2126.930	2123.307	2119.683	2123.307
15.0	2112.436	2112.436	2116.060	2123.307	2119.683
17.5	2079.826	2083.449	2097.943	2112.436	2116.060
20.0	2043.592	2054.462	2079.826	2108.813	2116.060
22.5	2000.111	2014.605	2054.462	2094.319	2105.190
25.0	1953.007	1971.124	2025.475	2079.826	2097.943
27.5	1895.033	1924.020	1996.488	2065.332	2087.073
30.0	1829.812	1866.046	1953.007	2039.969	2068.956
32.5	1760.968	1804.448	1913.150	2010.981	2050.839
35.0	1692.123	1742.851	1866.046	1985.618	2025.475
37.5	1612.409	1670.383	1811.695	1945.760	1996.488
40.0	1529.071	1597.915	1757.344	1905.903	1960.254
42.5	1445.733	1521.824	1699.370	1862.422	1920.397
45.0	1358.771	1442.109	1634.149	1811.695	1884.163
47.5	1279.057	1358.771	1568.928	1764.591	1840.682
50.0	1192.095	1275.433	1496.460	1710.240	1789.955
52.5	1101.511	1192.095	1427.616	1655.889	1731.980
55.0	1010.926	1108.757	1355.148	1590.668	1681.253
57.5	927.588	1021.796	1271.810	1521.824	1619.655
60.0	837.003	931.211	1192.095	1445.733	1543.564
62.5	757.289	847.873	1108.757	1376.888	1471.096
65.0	673.951	757.289	1014.549	1289.927	1384.135
67.5	590.613	670.327	931.211	1202.965	1308.044
70.0	507.275	583.366	837.003	1116.004	1217.459
72.5	431.183	500.028	746.418	1025.419	1130.498
75.0	351.469	420.313	655.834	923.964	1021.796
77.5	279.001	340.599	558.002	808.016	909.471
80.0	213.780	268.131	460.171	688.444	771.782
82.5	152.182	192.040	351.469	536.262	605.106
85.0	90.585	123.195	239.144	358.716	394.950
87.5	39.857	50.727	108.702	152.182	155.806
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	802.31	N.A.	10.90
0-30	1736.77	N.A.	23.70
0-40	2901.48	N.A.	39.50
0-60	5363.77	N.A.	73.10
0-80	7082.93	N.A.	96.50
0-90	7340.48	N.A.	100.00
10-90	7136.08	N.A.	97.20
20-40	2099.17	N.A.	28.60
20-50	3355.78	N.A.	45.70
40-70	3475.78	N.A.	47.40
60-80	1719.16	N.A.	23.40
70-80	705.67	N.A.	9.60
80-90	257.56	N.A.	3.50
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	7340.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	204.40
10-20	597.90
20-30	934.47
30-40	1164.71
40-50	1256.61
50-60	1205.68
60-70	1013.49
70-80	705.67
80-90	257.56
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

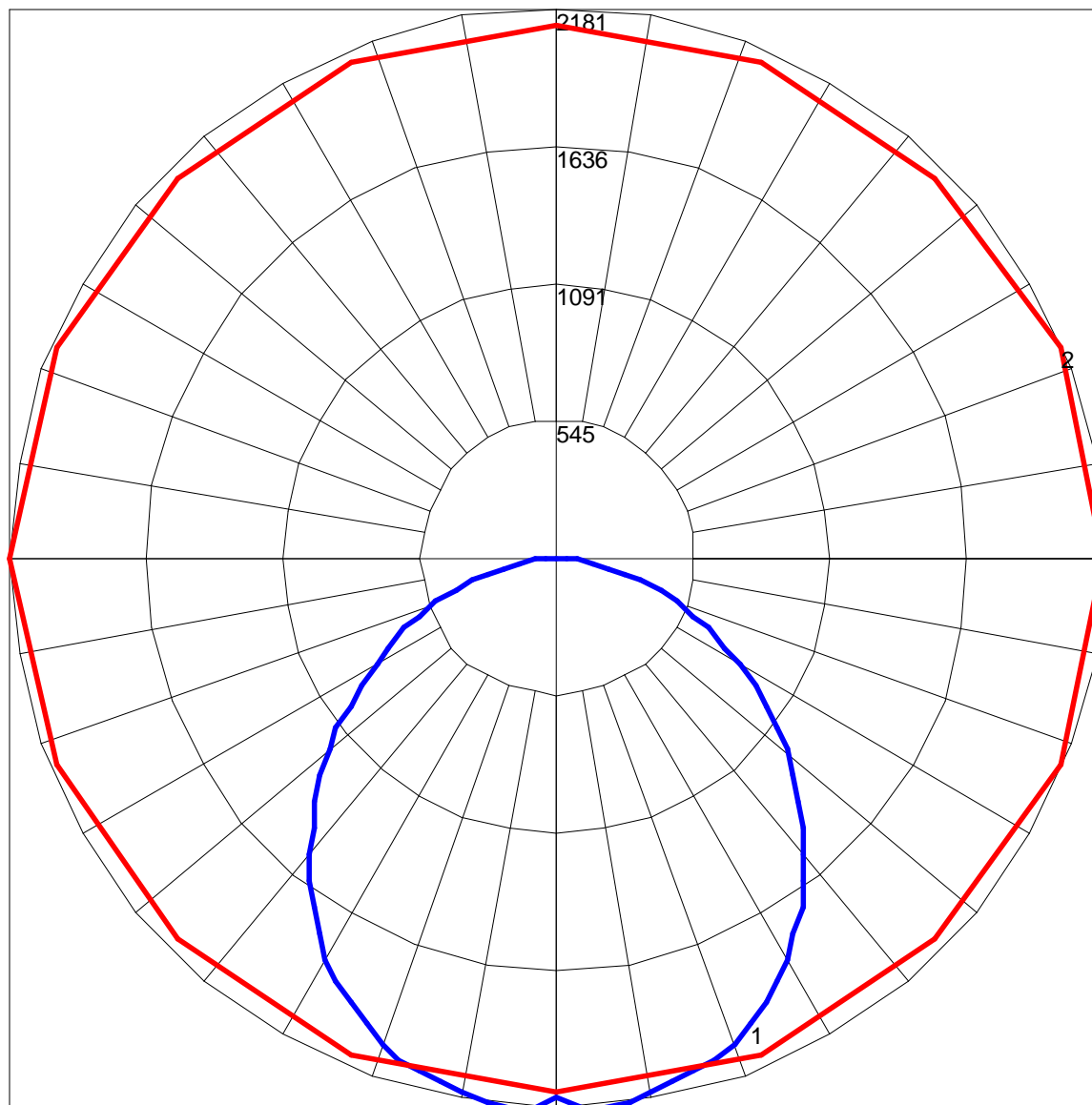
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	43	54	47	42	53	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2181.281 Located At Horizontal Angle = 0, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)