



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-30L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 08/18/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-30L-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2937
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2183	2576	2887
55	2052	2624	3095
65	1908	2657	3305
75	1729	2654	3205
85	1505	2391	2214

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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	859.721	859.721	859.721	859.721	859.721
2.5	876.944	866.897	861.156	853.980	849.674
5.0	876.944	866.897	861.156	855.415	852.544
7.5	874.073	865.462	861.156	856.850	852.544
10.0	869.768	861.156	859.721	856.850	852.544
12.5	861.156	853.980	853.980	855.415	852.544
15.0	852.544	846.803	851.109	853.980	855.415
17.5	841.062	838.192	845.368	853.980	853.980
20.0	826.710	826.710	838.192	852.544	853.980
22.5	810.922	812.357	829.580	848.239	849.674
25.0	795.134	798.005	822.404	843.933	848.239
27.5	772.170	782.217	809.487	836.757	845.368
30.0	747.770	762.123	796.569	829.580	838.192
32.5	723.371	739.159	782.217	819.533	832.451
35.0	697.536	716.195	763.558	808.051	819.533
37.5	667.396	688.925	744.900	793.699	808.051
40.0	634.385	661.655	723.371	777.911	793.699
42.5	605.680	631.514	701.842	760.688	779.346
45.0	574.104	602.809	677.443	740.594	759.253
47.5	539.658	572.669	650.173	720.501	739.159
50.0	506.647	541.093	621.468	694.666	717.630
52.5	472.201	508.082	591.327	665.961	688.925
55.0	437.754	473.636	559.751	635.820	660.220
57.5	404.743	439.190	526.740	605.680	630.079
60.0	371.732	403.308	492.294	571.234	595.633
62.5	335.851	367.427	456.413	535.352	559.751
65.0	299.969	330.110	417.661	496.600	519.564
67.5	265.523	294.228	377.473	453.542	473.636
70.0	231.077	256.912	337.286	407.614	421.966
72.5	199.501	222.465	298.534	358.815	368.862
75.0	166.490	188.019	255.476	305.710	308.581
77.5	134.914	155.008	212.418	245.429	245.429
80.0	103.339	121.997	167.925	188.019	185.149
82.5	77.504	88.986	123.432	130.609	124.868
85.0	48.799	58.846	77.504	74.634	71.763
87.5	24.399	30.140	33.011	27.270	25.835
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	323.05	N.A.	11.00
0-30	701.82	N.A.	23.90
0-40	1178.3	N.A.	40.10
0-60	2192.45	N.A.	74.60
0-80	2859.74	N.A.	97.40
0-90	2937.41	N.A.	100.00
10-90	2855.2	N.A.	97.20
20-40	855.25	N.A.	29.10
20-50	1373.54	N.A.	46.80
40-70	1422.34	N.A.	48.40
60-80	667.28	N.A.	22.70
70-80	259.10	N.A.	8.80
80-90	77.67	N.A.	2.60
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	2937.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.21
10-20	240.84
20-30	378.77
30-40	476.48
40-50	518.29
50-60	495.87
60-70	408.18
70-80	259.10
80-90	77.67
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

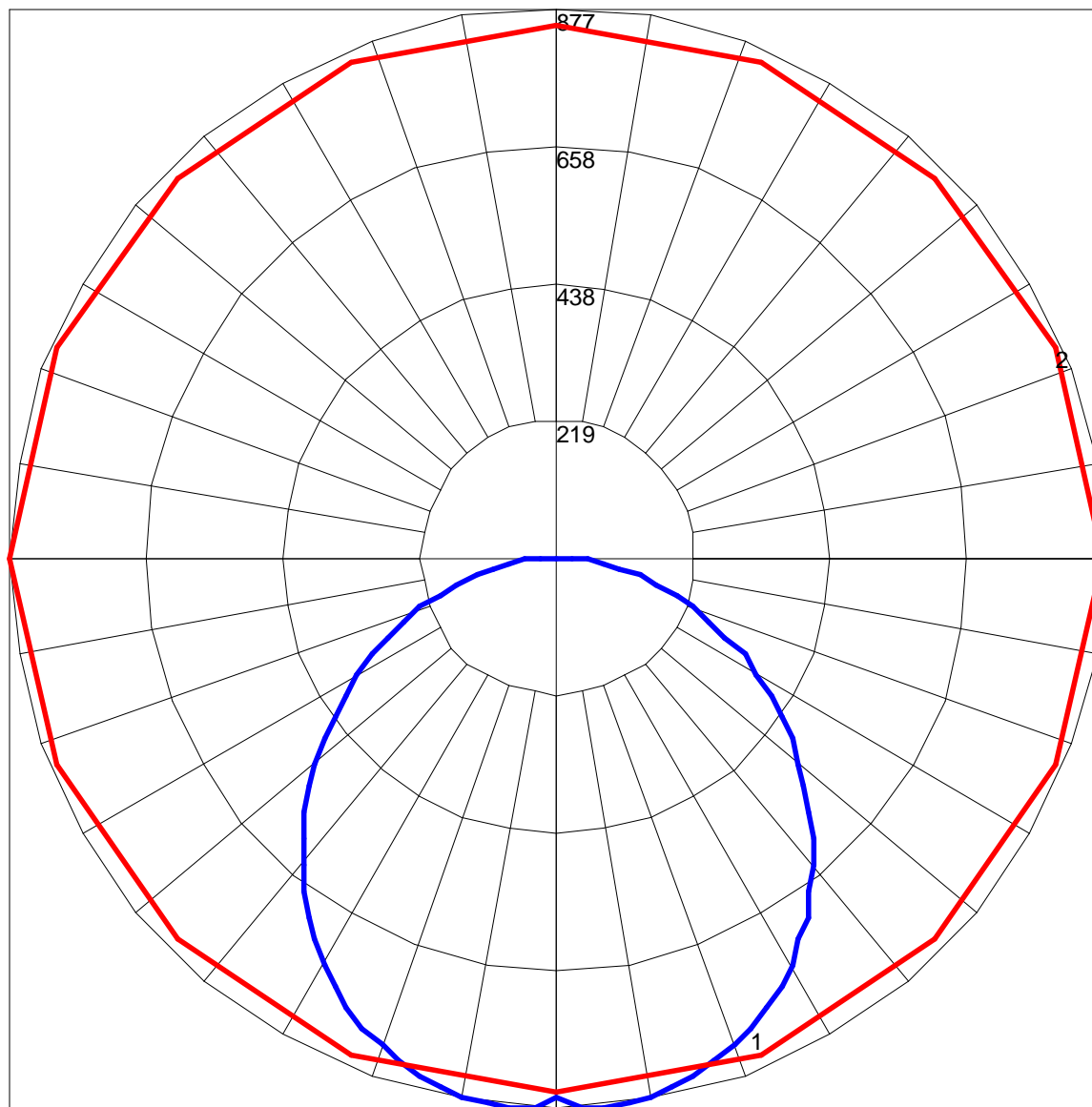
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 876.944 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.)