



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-30L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8841
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/28/17
[TEST DATE]04/28/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC14-LED-30L-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3031
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
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	2220	2642	2962
55	2109	2714	3215
65	1966	2774	3448
75	1755	2825	3604
85	1604	2715	2252

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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	870	870	870	870	870
2.5	888	878	872	865	859
5.0	889	878	873	866	861
7.5	886	876	871	866	862
10.0	882	872	870	868	863
12.5	874	866	868	868	865
15.0	866	860	864	869	867
17.5	853	849	858	866	866
20.0	840	839	853	866	868
22.5	823	826	845	863	866
25.0	805	811	836	859	864
27.5	784	793	825	854	861
30.0	759	772	812	846	855
32.5	733	751	797	837	847
35.0	707	728	781	826	838
37.5	680	704	764	814	827
40.0	650	677	743	799	814
42.5	618	647	720	781	798
45.0	584	617	695	761	779
47.5	551	586	669	740	760
50.0	519	554	641	717	738
52.5	483	519	611	690	712
55.0	450	486	579	661	686
57.5	413	450	545	628	652
60.0	379	416	511	595	620
62.5	343	378	473	558	582
65.0	309	341	436	519	542
67.5	273	304	395	479	500
70.0	237	267	356	435	454
72.5	203	229	315	386	403
75.0	169	194	272	334	347
77.5	138	160	228	277	278
80.0	107	126	184	215	210
82.5	79	95	137	148	139
85.0	52	63	88	83	73
87.5	27	33	36	29	26
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	327.63	N.A.	10.80
0-30	712.91	N.A.	23.50
0-40	1199.37	N.A.	39.60
0-60	2242.88	N.A.	74.00
0-80	2945.61	N.A.	97.20
0-90	3030.74	N.A.	100.00
10-90	2947.52	N.A.	97.30
20-40	871.73	N.A.	28.80
20-50	1403.41	N.A.	46.30
40-70	1468.74	N.A.	48.50
60-80	702.73	N.A.	23.20
70-80	277.50	N.A.	9.20
80-90	85.13	N.A.	2.80
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	3030.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.22
10-20	244.42
20-30	385.27
30-40	486.46
40-50	531.67
50-60	511.84
60-70	425.23
70-80	277.50
80-90	85.13
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

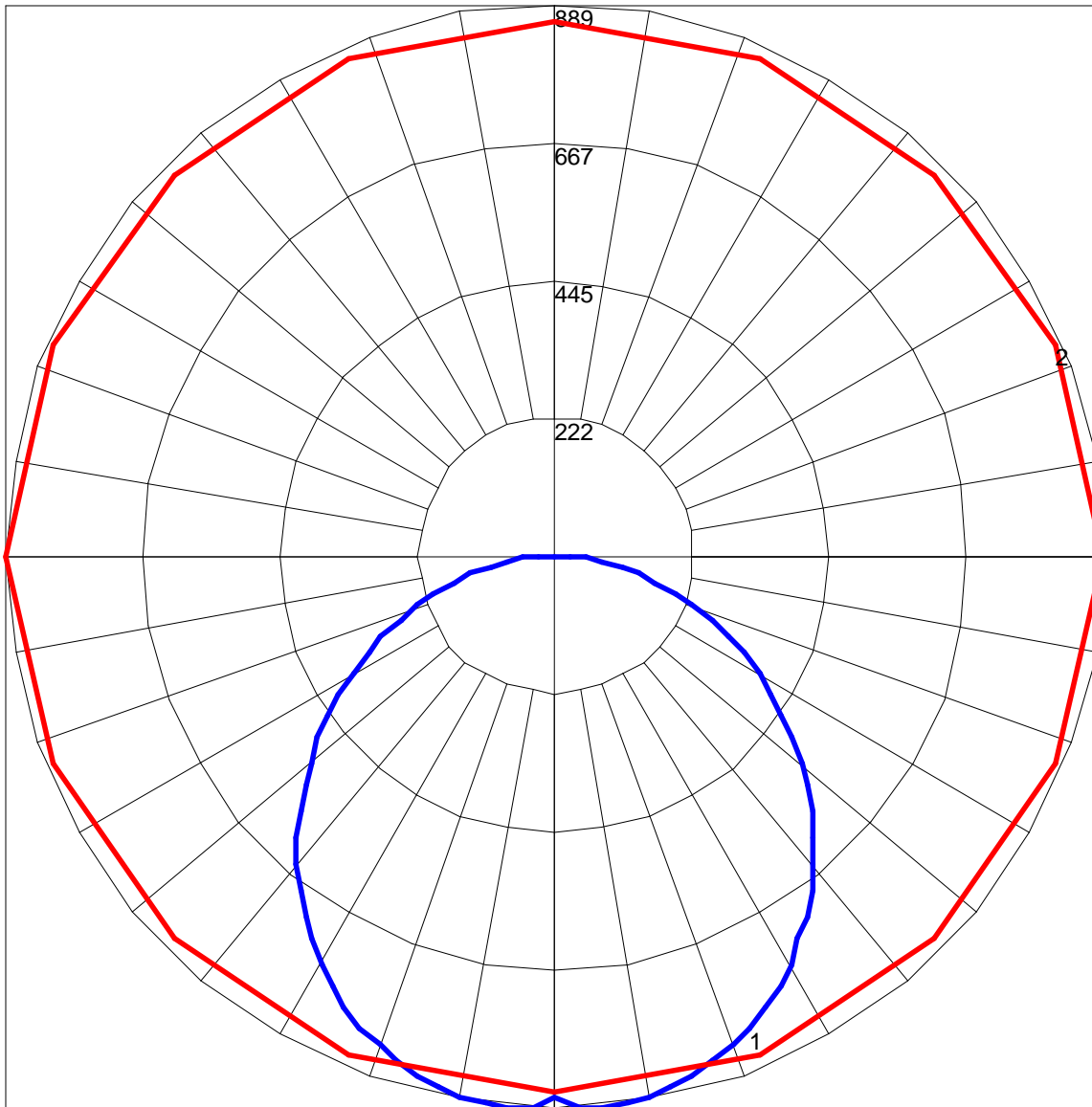
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	75	94	86	80	74	83	77	72	79	75	70	76	72	69	66
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	57	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	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 = 889 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)