



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-40L-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-40L-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	3903
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	32.8
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	2900	3423	3836
55	2726	3486	4112
65	2536	3531	4392
75	2298	3526	4259
85	2000	3177	2942

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-40L-30.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	1142.395	1142.395	1142.395	1142.395	1142.395
2.5	1165.281	1151.931	1144.302	1134.766	1129.045
5.0	1165.281	1151.931	1144.302	1136.673	1132.859
7.5	1161.467	1150.024	1144.302	1138.581	1132.859
10.0	1155.745	1144.302	1142.395	1138.581	1132.859
12.5	1144.302	1134.766	1134.766	1136.673	1132.859
15.0	1132.859	1125.230	1130.952	1134.766	1136.673
17.5	1117.602	1113.787	1123.323	1134.766	1134.766
20.0	1098.530	1098.530	1113.787	1132.859	1134.766
22.5	1077.551	1079.458	1102.344	1127.138	1129.045
25.0	1056.572	1060.387	1092.808	1121.416	1127.138
27.5	1026.057	1039.408	1075.644	1111.880	1123.323
30.0	993.636	1012.707	1058.479	1102.344	1113.787
32.5	961.214	982.193	1039.408	1088.994	1106.159
35.0	926.885	951.678	1014.614	1073.737	1088.994
37.5	886.834	915.442	989.821	1054.665	1073.737
40.0	842.969	879.205	961.214	1033.686	1054.665
42.5	804.826	839.155	932.606	1010.800	1035.593
45.0	762.868	801.011	900.184	984.100	1008.893
47.5	717.096	760.961	863.948	957.399	982.193
50.0	673.231	719.003	825.805	923.070	953.585
52.5	627.459	675.138	785.754	884.927	915.442
55.0	581.687	629.366	743.796	844.876	877.298
57.5	537.822	583.594	699.931	804.826	837.248
60.0	493.957	535.915	654.159	759.054	791.476
62.5	446.278	488.236	606.480	711.374	743.796
65.0	398.599	438.649	554.986	659.881	690.396
67.5	352.826	390.970	501.586	602.666	629.366
70.0	307.054	341.383	448.185	541.636	560.708
72.5	265.097	295.611	396.691	476.793	490.143
75.0	221.232	249.839	339.476	406.227	410.042
77.5	179.274	205.974	282.261	326.126	326.126
80.0	137.316	162.109	223.139	249.839	246.025
82.5	102.987	118.245	164.017	173.552	165.924
85.0	64.844	78.194	102.987	99.173	95.359
87.5	32.422	40.051	43.865	36.236	34.329
90.0	0.000	0.000	0.000	0.000	0.000

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	429.27	N.A.	11.00
0-30	932.58	N.A.	23.90
0-40	1565.72	N.A.	40.10
0-60	2913.33	N.A.	74.60
0-80	3800.01	N.A.	97.40
0-90	3903.22	N.A.	100.00
10-90	3793.98	N.A.	97.20
20-40	1136.45	N.A.	29.10
20-50	1825.15	N.A.	46.80
40-70	1890.00	N.A.	48.40
60-80	886.68	N.A.	22.70
70-80	344.29	N.A.	8.80
80-90	103.21	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	3903.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.24
10-20	320.02
20-30	503.31
30-40	633.14
40-50	688.70
50-60	658.91
60-70	542.40
70-80	344.29
80-90	103.21
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

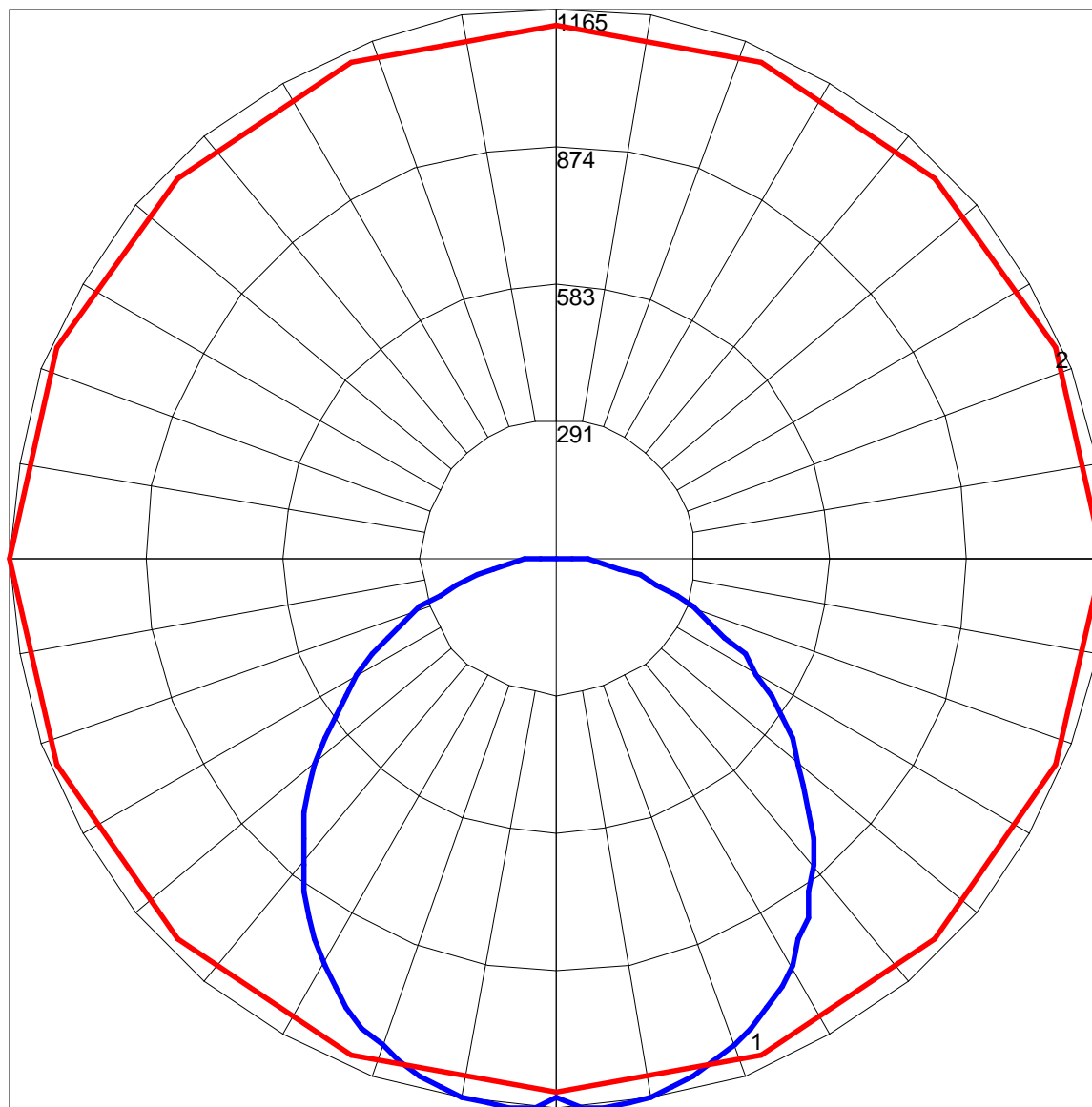
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-40L-30.IES

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	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 = 1165.281 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.)