



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-20L-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-20L-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	1984
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	16.5
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	1474	1739	1949
55	1386	1772	2090
65	1289	1794	2232
75	1168	1792	2165
85	1016	1614	1495

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-20L-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	580.563	580.563	580.563	580.563	580.563
2.5	592.193	585.409	581.532	576.686	573.778
5.0	592.193	585.409	581.532	577.655	575.717
7.5	590.255	584.440	581.532	578.624	575.717
10.0	587.347	581.532	580.563	578.624	575.717
12.5	581.532	576.686	576.686	577.655	575.717
15.0	575.717	571.840	574.747	576.686	577.655
17.5	567.963	566.024	570.871	576.686	576.686
20.0	558.271	558.271	566.024	575.717	576.686
22.5	547.609	548.579	560.209	572.809	573.778
25.0	536.948	538.886	555.363	569.901	572.809
27.5	521.440	528.225	546.640	565.055	570.871
30.0	504.964	514.656	537.917	560.209	566.024
32.5	488.487	499.148	528.225	553.425	562.148
35.0	471.041	483.641	515.625	545.671	553.425
37.5	450.687	465.226	503.025	535.979	545.671
40.0	428.395	446.810	488.487	525.317	535.979
42.5	409.011	426.457	473.949	513.687	526.286
45.0	387.688	407.072	457.472	500.118	512.717
47.5	364.427	386.719	439.057	486.548	499.148
50.0	342.135	365.396	419.672	469.102	484.610
52.5	318.873	343.104	399.319	449.718	465.226
55.0	295.612	319.843	377.996	429.364	445.841
57.5	273.320	296.581	355.704	409.011	425.488
60.0	251.028	272.351	332.442	385.750	402.226
62.5	226.797	248.120	308.212	361.519	377.996
65.0	202.567	222.921	282.043	335.350	350.858
67.5	179.306	198.690	254.905	306.274	319.843
70.0	156.044	173.490	227.767	275.258	284.951
72.5	134.722	150.229	201.598	242.305	249.090
75.0	112.430	126.968	172.521	206.444	208.382
77.5	91.107	104.676	143.445	165.737	165.737
80.0	69.784	82.384	113.399	126.968	125.029
82.5	52.338	60.092	83.353	88.199	84.322
85.0	32.953	39.738	52.338	50.399	48.461
87.5	16.477	20.354	22.292	18.415	17.446
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-20L-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	218.15	N.A.	11.00
0-30	473.93	N.A.	23.90
0-40	795.70	N.A.	40.10
0-60	1480.55	N.A.	74.60
0-80	1931.16	N.A.	97.40
0-90	1983.61	N.A.	100.00
10-90	1928.09	N.A.	97.20
20-40	577.54	N.A.	29.10
20-50	927.54	N.A.	46.80
40-70	960.50	N.A.	48.40
60-80	450.61	N.A.	22.70
70-80	174.97	N.A.	8.80
80-90	52.45	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	1983.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.52
10-20	162.64
20-30	255.78
30-40	321.76
40-50	350.00
50-60	334.86
60-70	275.64
70-80	174.97
80-90	52.45
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

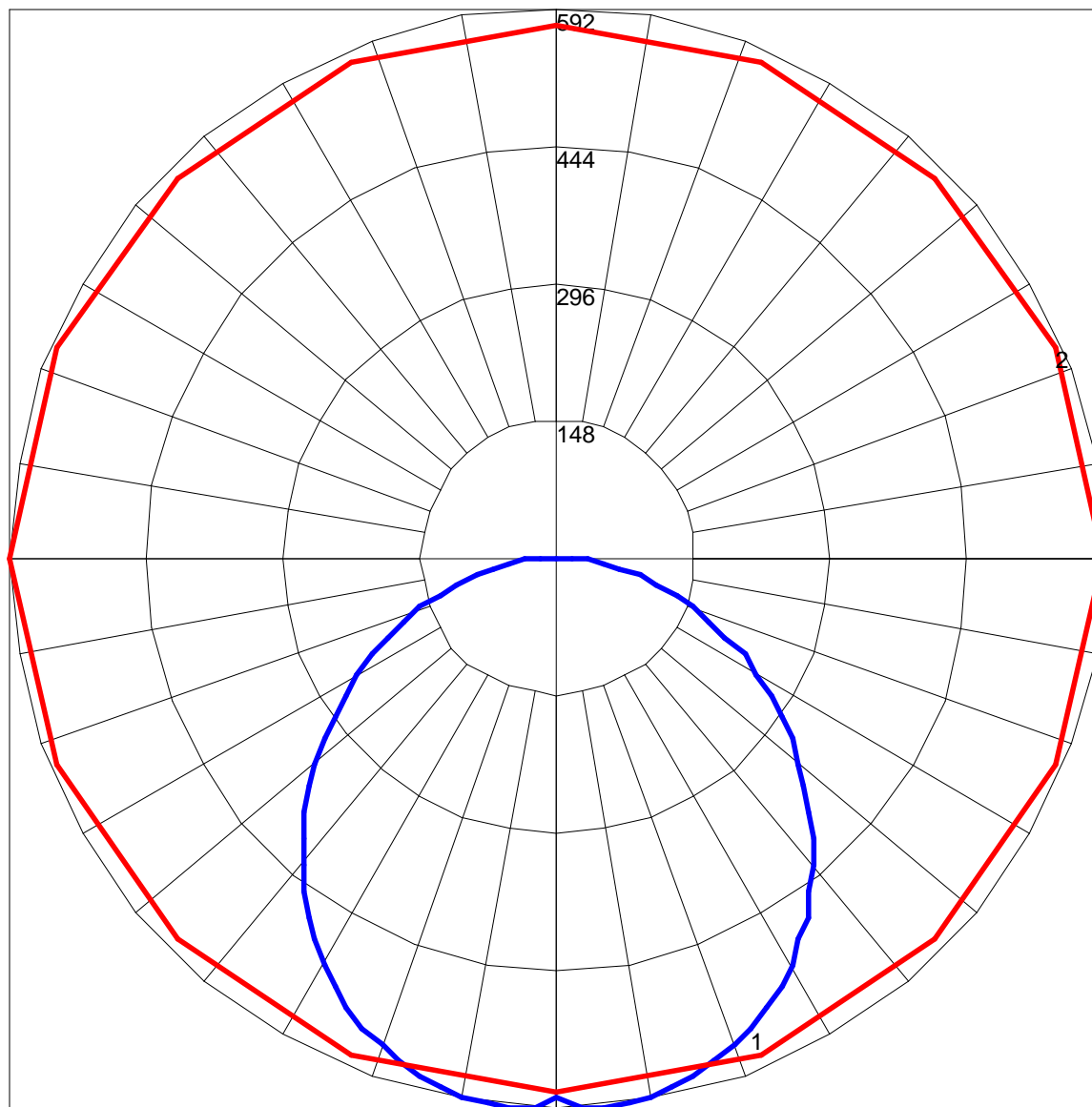
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-20L-30.IES

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	75	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	37	50	42	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	30	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 = 592.193 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.)