



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-55L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-8913_Scaled

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]08/18/17

[TEST DATE]05/16/17

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]LPEC24-LED-55L-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	5379
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	42
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)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1912	2300	2620
55	1798	2382	2890
65	1659	2480	3272
75	1489	2690	3938
85	1299	3152	4064

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-55L-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	1497.053	1497.053	1497.053	1497.053	1497.053
2.5	1527.207	1509.470	1498.827	1484.637	1475.768
5.0	1525.434	1509.470	1498.827	1489.958	1481.090
7.5	1521.886	1507.696	1498.827	1489.958	1481.090
10.0	1511.243	1498.827	1495.280	1489.958	1482.863
12.5	1500.601	1488.185	1489.958	1488.185	1486.411
15.0	1484.637	1477.542	1482.863	1491.732	1489.958
17.5	1461.578	1458.031	1473.995	1489.958	1491.732
20.0	1442.067	1442.067	1465.126	1488.185	1493.506
22.5	1411.913	1419.008	1452.709	1484.637	1491.732
25.0	1379.985	1390.628	1436.746	1477.542	1488.185
27.5	1339.189	1358.700	1417.234	1466.899	1481.090
30.0	1300.166	1324.999	1394.175	1456.257	1473.995
32.5	1257.596	1285.976	1369.343	1442.067	1461.578
35.0	1211.478	1245.179	1340.963	1426.103	1447.388
37.5	1160.039	1202.609	1312.582	1408.365	1434.972
40.0	1108.600	1156.491	1275.333	1381.759	1413.687
42.5	1057.161	1108.600	1241.632	1358.700	1392.402
45.0	995.079	1055.387	1197.288	1326.772	1364.021
47.5	936.545	998.627	1152.944	1293.071	1333.867
50.0	881.559	945.414	1108.600	1257.596	1301.940
52.5	821.251	888.654	1058.935	1216.799	1268.238
55.0	759.169	826.572	1005.722	1170.682	1220.347
57.5	700.635	769.812	952.509	1124.564	1177.777
60.0	642.101	709.504	895.749	1073.125	1128.111
62.5	581.793	645.649	835.441	1018.138	1074.899
65.0	516.164	581.793	771.586	959.604	1018.138
67.5	457.630	517.938	707.730	897.523	956.057
70.0	397.322	455.856	643.875	835.441	895.749
72.5	340.562	395.548	578.246	768.038	824.798
75.0	283.802	337.014	512.617	691.766	750.300
77.5	227.041	276.707	441.666	608.400	654.517
80.0	177.376	221.720	368.942	514.390	553.413
82.5	129.484	166.733	289.123	402.644	423.929
85.0	83.367	115.294	202.209	260.743	260.743
87.5	44.344	60.308	95.783	131.258	134.806
90.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-55L-30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	562.86	N.A.	10.50
0-30	1224.68	N.A.	22.80
0-40	2061.00	N.A.	38.30
0-60	3873.16	N.A.	72.00
0-80	5174.88	N.A.	96.20
0-90	5378.81	N.A.	100.00
10-90	5235.76	N.A.	97.30
20-40	1498.14	N.A.	27.90
20-50	2416.55	N.A.	44.90
40-70	2574.31	N.A.	47.90
60-80	1301.72	N.A.	24.20
70-80	539.56	N.A.	10.00
80-90	203.93	N.A.	3.80
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	5378.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.05
10-20	419.81
20-30	661.82
30-40	836.32
40-50	918.40
50-60	893.75
60-70	762.16
70-80	539.56
80-90	203.93
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

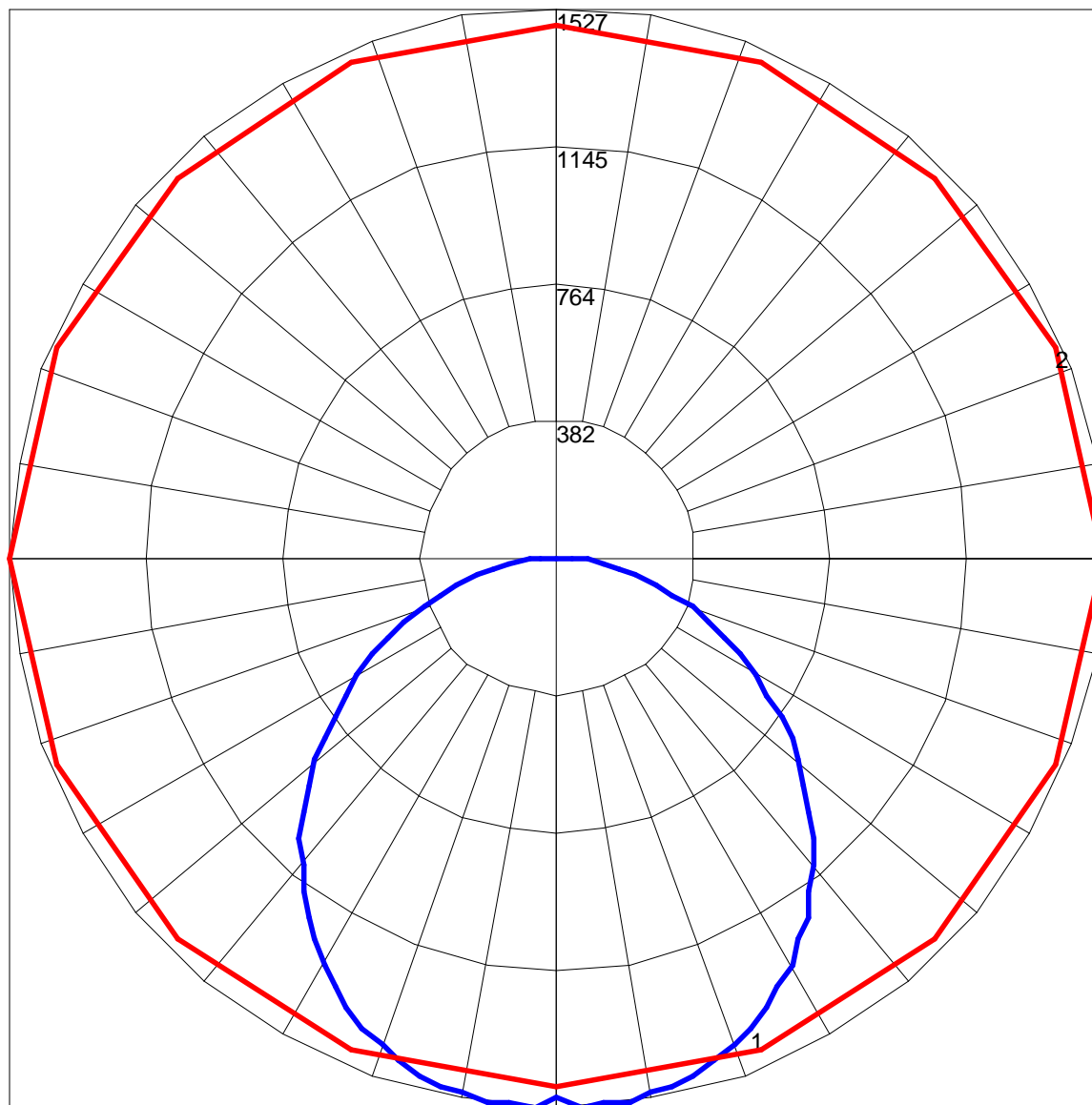
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-55L-30.IES

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1527.207 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.)