



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-SM-LED-HO-NW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5793A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/26/16
[TEST DATE]07/10/14
[MANUFACTURER]LSI INDUSTRIES, INC
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]SCALED FROM ORIGINAL TEST DATA
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[LUMCAT]LPEC24-SM-LED-HO-NW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4483
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	45.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1649	1901	2089
55	1521	1931	2269
65	1386	1982	2519
75	1204	2118	2990
85	1001	2510	3320

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-SM-LED-HO-NW.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	1350.33	1350.33	1350.33	1350.33	1350.33
2.5	1386.38	1366.81	1349.30	1333.85	1322.52
5.0	1383.29	1362.69	1347.24	1332.82	1322.52
7.5	1376.08	1356.51	1343.12	1330.76	1321.49
10.0	1365.78	1348.27	1336.94	1326.64	1319.43
12.5	1351.36	1335.91	1327.67	1321.49	1315.31
15.0	1332.82	1320.46	1316.34	1314.28	1310.16
17.5	1311.19	1301.92	1302.95	1306.04	1302.95
20.0	1285.44	1280.29	1287.50	1295.74	1294.71
22.5	1256.60	1253.51	1269.99	1283.38	1284.41
25.0	1223.64	1224.67	1248.36	1269.99	1273.08
27.5	1186.56	1193.77	1225.70	1254.54	1259.69
30.0	1148.45	1159.78	1200.98	1236.00	1243.21
32.5	1107.25	1122.70	1172.14	1216.43	1223.64
35.0	1062.96	1083.56	1142.27	1193.77	1203.04
37.5	1016.61	1042.36	1110.34	1168.02	1180.38
40.0	968.20	999.10	1075.32	1141.24	1154.63
42.5	918.76	953.78	1039.27	1111.37	1127.85
45.0	867.26	906.40	1000.13	1080.47	1099.01
47.5	811.64	854.90	957.90	1047.51	1069.14
50.0	758.08	803.40	915.67	1012.49	1038.24
52.5	702.46	749.84	870.35	974.38	1004.25
55.0	648.90	698.34	824.00	935.24	968.20
57.5	595.34	644.78	775.59	894.04	928.03
60.0	541.78	591.22	726.15	849.75	885.80
62.5	488.22	537.66	675.68	804.43	839.45
65.0	435.69	483.07	623.15	753.96	792.07
67.5	382.13	430.54	569.59	703.49	742.63
70.0	331.66	376.98	516.03	651.99	691.13
72.5	279.13	323.42	462.47	597.40	636.54
75.0	231.75	273.98	407.88	537.66	575.77
77.5	186.43	226.60	352.26	473.80	506.76
80.0	144.20	181.28	292.52	400.67	427.45
82.5	103.00	136.99	228.66	317.24	335.78
85.0	64.89	91.67	162.74	213.21	215.27
87.5	32.96	47.38	77.25	82.40	73.13
90.0	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-SM-LED-HO-NW.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	500.87	N.A.	11.20
0-30	1076.47	N.A.	24.00
0-40	1788.81	N.A.	39.90
0-60	3284.27	N.A.	73.30
0-80	4323.61	N.A.	96.40
0-90	4483.48	N.A.	100.00
10-90	4355.05	N.A.	97.10
20-40	1287.94	N.A.	28.70
20-50	2053.51	N.A.	45.80
40-70	2107.73	N.A.	47.00
60-80	1039.34	N.A.	23.20
70-80	427.07	N.A.	9.50
80-90	159.87	N.A.	3.60
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	4483.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.43
10-20	372.44
20-30	575.60
30-40	712.35
40-50	765.56
50-60	729.89
60-70	612.28
70-80	427.07
80-90	159.87
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

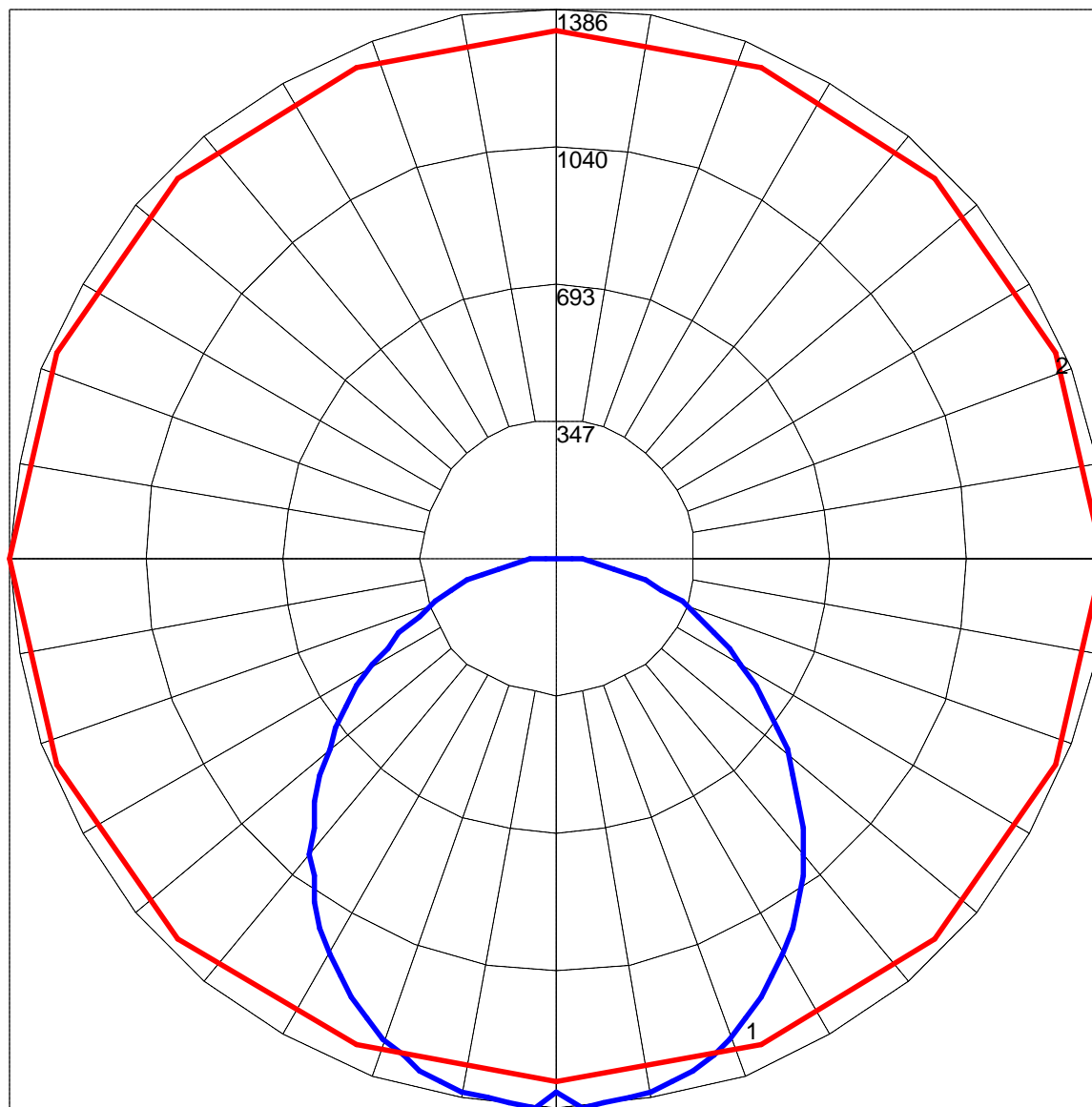
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-SM-LED-HO-NW.IES

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	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	51	63	56	50	61	54	49	59	53	48	46
5	74	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	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 = 1386.38 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.)