



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5799A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/26/16
[TEST DATE]07/11/14
[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-WW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4202
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
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	1539	1784	1968
55	1427	1810	2127
65	1281	1848	2372
75	1129	1974	2771
85	953	2256	2955

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-SM-LED-HO-WW.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	1273.08	1273.08	1273.08	1273.08	1273.08
2.5	1307.07	1288.53	1272.05	1257.63	1248.36
5.0	1302.95	1285.44	1269.99	1256.60	1248.36
7.5	1296.77	1279.26	1265.87	1254.54	1247.33
10.0	1286.47	1271.02	1259.69	1251.45	1244.24
12.5	1272.05	1258.66	1251.45	1246.30	1241.15
15.0	1254.54	1244.24	1241.15	1240.12	1236.00
17.5	1233.94	1226.73	1228.79	1231.88	1229.82
20.0	1210.25	1206.13	1214.37	1221.58	1220.55
22.5	1182.44	1181.41	1195.83	1210.25	1211.28
25.0	1151.54	1154.63	1176.26	1196.86	1199.95
27.5	1117.55	1124.76	1154.63	1182.44	1186.56
30.0	1081.50	1091.80	1129.91	1164.93	1172.14
32.5	1041.33	1056.78	1103.13	1145.36	1154.63
35.0	1000.13	1019.70	1075.32	1124.76	1135.06
37.5	953.78	978.50	1044.42	1101.07	1113.43
40.0	905.37	937.30	1011.46	1075.32	1088.71
42.5	857.99	893.01	976.44	1046.48	1062.96
45.0	809.58	847.69	938.33	1016.61	1035.15
47.5	759.11	801.34	900.22	984.68	1006.31
50.0	709.67	753.96	859.02	950.69	974.38
52.5	659.20	704.52	816.79	915.67	942.45
55.0	608.73	654.05	772.50	877.56	907.43
57.5	557.23	602.55	726.15	838.42	871.38
60.0	504.70	551.05	678.77	796.19	831.21
62.5	452.17	499.55	629.33	752.93	790.01
65.0	402.73	449.08	580.92	706.58	745.72
67.5	355.35	399.64	531.48	658.17	696.28
70.0	307.97	350.20	482.04	607.70	644.78
72.5	261.62	302.82	430.54	557.23	592.25
75.0	217.33	254.41	380.07	499.55	533.54
77.5	173.04	209.09	324.45	438.78	470.71
80.0	131.84	165.83	268.83	371.83	400.67
82.5	95.79	125.66	209.09	290.46	313.12
85.0	61.80	85.49	146.26	187.46	191.58
87.5	31.93	45.32	69.01	64.89	51.50
90.0	0.00	0.00	0.00	0.00	0.00

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	472.18	N.A.	11.20
0-30	1014.52	N.A.	24.10
0-40	1685.01	N.A.	40.10
0-60	3088.11	N.A.	73.50
0-80	4056.69	N.A.	96.50
0-90	4201.76	N.A.	100.00
10-90	4080.68	N.A.	97.10
20-40	1212.83	N.A.	28.90
20-50	1931.62	N.A.	46.00
40-70	1974.74	N.A.	47.00
60-80	968.58	N.A.	23.10
70-80	396.94	N.A.	9.40
80-90	145.08	N.A.	3.50
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	4201.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.09
10-20	351.09
20-30	542.34
30-40	670.49
40-50	718.79
50-60	684.31
60-70	571.63
70-80	396.94
80-90	145.08
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

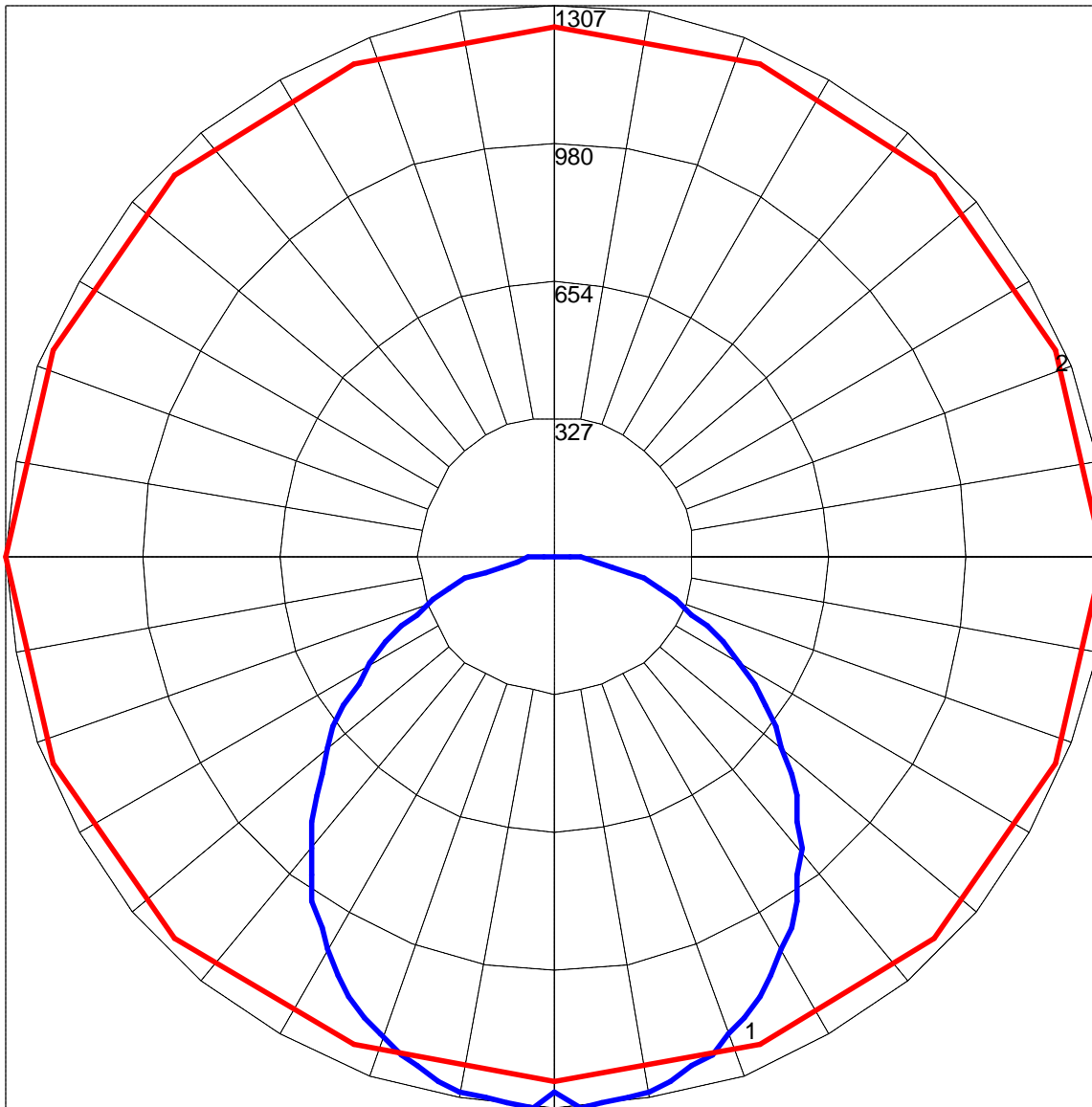
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-SM-LED-HO-WW.IES

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	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	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	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	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	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 = 1307.07 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.)