



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-SM-LED-HO-NW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5742A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]06/26/16
[TEST DATE]06/25/14
[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]LPEC22-SM-LED-HO-NW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4250
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	45.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	3070	3611	4104
55	2795	3621	4437
65	2529	3663	4927
75	2204	3809	5745
85	1843	3813	4257

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-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	1320.46	1320.46	1320.46	1320.46	1320.46
2.5	1348.27	1337.97	1320.46	1303.98	1296.77
5.0	1344.15	1334.88	1318.40	1302.95	1296.77
7.5	1336.94	1328.70	1314.28	1300.89	1295.74
10.0	1326.64	1318.40	1308.10	1296.77	1292.65
12.5	1311.19	1305.01	1298.83	1291.62	1289.56
15.0	1292.65	1288.53	1287.50	1284.41	1283.38
17.5	1268.96	1266.90	1272.05	1276.17	1276.17
20.0	1242.18	1242.18	1255.57	1265.87	1267.93
22.5	1209.22	1215.40	1236.00	1253.51	1258.66
25.0	1175.23	1184.50	1213.34	1239.09	1247.33
27.5	1138.15	1151.54	1189.65	1222.61	1233.94
30.0	1093.86	1116.52	1161.84	1203.04	1218.49
32.5	1050.60	1075.32	1131.97	1182.44	1200.98
35.0	1005.28	1033.09	1099.01	1159.78	1181.41
37.5	956.87	989.83	1065.02	1134.03	1159.78
40.0	908.46	943.48	1027.94	1107.25	1135.06
42.5	857.99	896.10	990.86	1078.41	1108.28
45.0	807.52	846.66	949.66	1046.48	1079.44
47.5	756.02	798.25	908.46	1013.52	1049.57
50.0	704.52	746.75	864.17	978.50	1016.61
52.5	649.93	696.28	818.85	940.39	983.65
55.0	596.37	645.81	772.50	899.19	946.57
57.5	545.90	595.34	725.12	856.96	908.46
60.0	495.43	543.84	675.68	813.70	867.26
62.5	445.99	492.34	625.21	767.35	821.94
65.0	397.58	441.87	575.77	719.97	774.56
67.5	351.23	391.40	523.24	670.53	726.15
70.0	304.88	344.02	472.77	619.03	673.62
72.5	257.50	295.61	419.21	560.32	616.97
75.0	212.18	250.29	366.68	497.49	553.11
77.5	172.01	204.97	311.06	430.54	483.07
80.0	132.87	161.71	252.35	356.38	400.67
82.5	92.70	116.39	193.64	268.83	282.22
85.0	59.74	72.10	123.60	155.53	138.02
87.5	28.84	32.96	41.20	26.78	15.45
90.0	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-SM-LED-HO-NW.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	489.02	N.A.	11.50
0-30	1047.94	N.A.	24.70
0-40	1734.06	N.A.	40.80
0-60	3155.64	N.A.	74.20
0-80	4124.03	N.A.	97.00
0-90	4250.36	N.A.	100.00
10-90	4124.78	N.A.	97.00
20-40	1245.04	N.A.	29.30
20-50	1975.81	N.A.	46.50
40-70	1996.44	N.A.	47.00
60-80	968.39	N.A.	22.80
70-80	393.53	N.A.	9.30
80-90	126.33	N.A.	3.00
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	4250.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.58
10-20	363.44
20-30	558.93
30-40	686.12
40-50	730.76
50-60	690.82
60-70	574.86
70-80	393.53
80-90	126.33
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

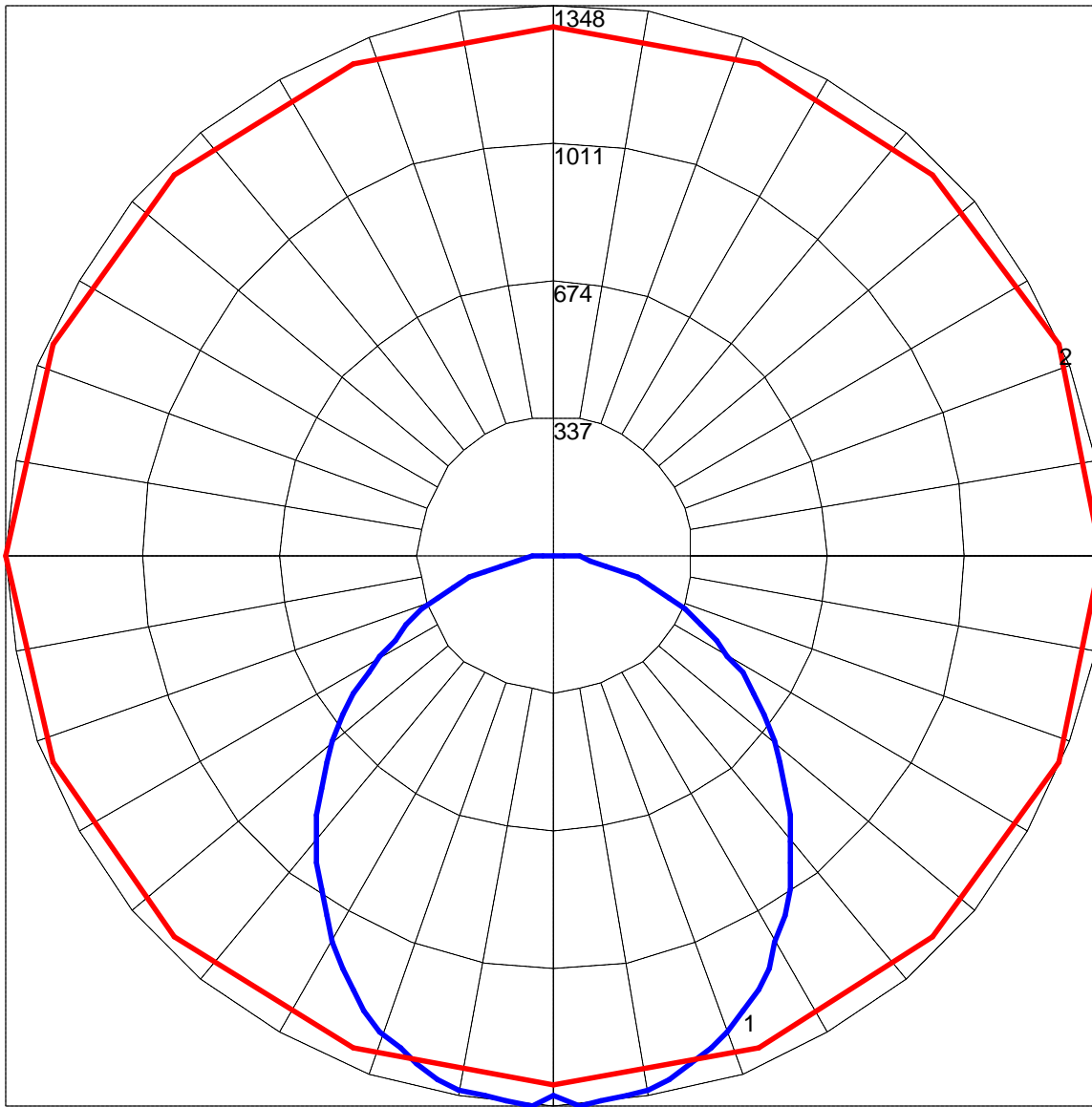
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-SM-LED-HO-NW.IES

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	108	102	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	76	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	57	51	62	55	50	59	54	49	47
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1348.27 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.)