



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5740A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/26/16
[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-WW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4042
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	45.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.38
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	2914	3438	3920
55	2675	3442	4215
65	2392	3479	4691
75	2118	3606	5403
85	1652	3558	3908

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1261.75	1261.75	1261.75	1261.75	1261.75
2.5	1287.50	1277.20	1261.75	1245.27	1239.09
5.0	1283.38	1274.11	1258.66	1244.24	1239.09
7.5	1277.20	1268.96	1255.57	1242.18	1238.06
10.0	1265.87	1259.69	1249.39	1239.09	1236.00
12.5	1251.45	1246.30	1240.12	1233.94	1231.88
15.0	1232.91	1230.85	1228.79	1226.73	1226.73
17.5	1210.25	1210.25	1215.40	1218.49	1219.52
20.0	1184.50	1186.56	1198.92	1208.19	1212.31
22.5	1154.63	1159.78	1180.38	1196.86	1202.01
25.0	1120.64	1129.91	1158.75	1183.47	1190.68
27.5	1085.62	1096.95	1134.03	1166.99	1178.32
30.0	1046.48	1061.93	1108.28	1149.48	1162.87
32.5	1002.19	1023.82	1079.44	1129.91	1146.39
35.0	958.93	983.65	1048.54	1107.25	1126.82
37.5	910.52	942.45	1014.55	1082.53	1106.22
40.0	863.14	898.16	980.56	1055.75	1082.53
42.5	815.76	853.87	944.51	1027.94	1057.81
45.0	766.32	807.52	904.34	997.04	1031.03
47.5	717.91	760.14	864.17	965.11	1002.19
50.0	668.47	710.70	822.97	931.12	969.23
52.5	619.03	662.29	779.71	895.07	934.21
55.0	570.62	612.85	734.39	856.96	899.19
57.5	522.21	563.41	690.10	817.82	862.11
60.0	469.68	515.00	642.72	773.53	822.97
62.5	422.30	467.62	595.34	729.24	781.77
65.0	375.95	420.24	546.93	683.92	737.48
67.5	330.63	370.80	497.49	635.51	691.13
70.0	287.37	325.48	448.05	585.04	641.69
72.5	244.11	279.13	397.58	531.48	580.92
75.0	203.94	235.87	347.11	472.77	520.15
77.5	164.80	192.61	293.55	409.94	452.17
80.0	124.63	152.44	238.96	333.72	371.83
82.5	84.46	111.24	182.31	247.20	265.74
85.0	53.56	69.01	115.36	130.81	126.69
87.5	24.72	29.87	36.05	16.48	5.15
90.0	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	467.02	N.A.	11.60
0-30	1000.42	N.A.	24.80
0-40	1654.66	N.A.	40.90
0-60	3007.93	N.A.	74.40
0-80	3925.92	N.A.	97.10
0-90	4041.84	N.A.	100.00
10-90	3921.91	N.A.	97.00
20-40	1187.63	N.A.	29.40
20-50	1883.74	N.A.	46.60
40-70	1899.08	N.A.	47.00
60-80	917.99	N.A.	22.70
70-80	372.19	N.A.	9.20
80-90	115.92	N.A.	2.90
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	4041.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.94
10-20	347.08
20-30	533.40
30-40	654.24
40-50	696.11
50-60	657.17
60-70	545.80
70-80	372.19
80-90	115.92
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

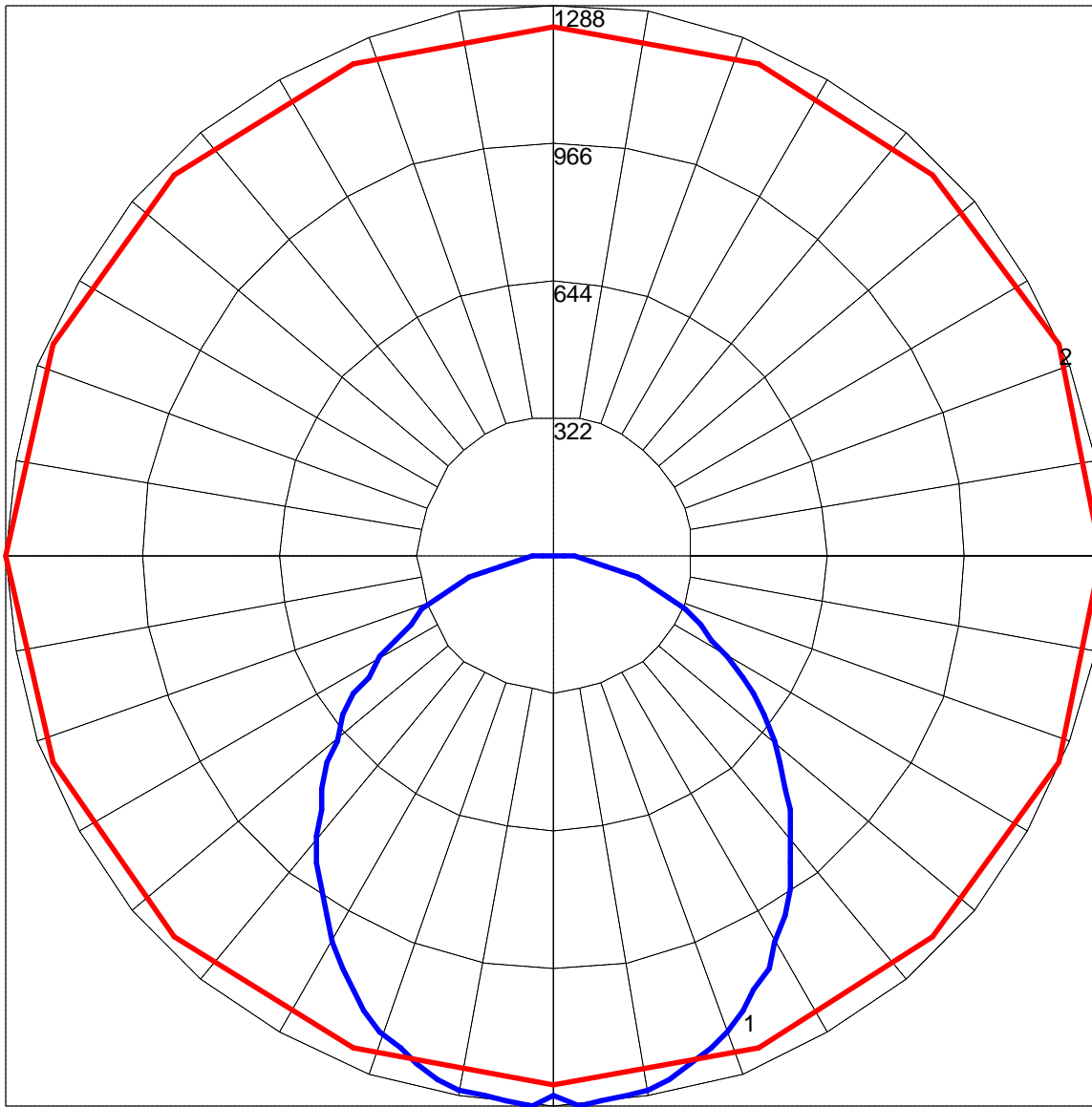
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	89	92	89	86	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	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	60	54	49	47
5	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	43	40
6	68	54	45	38	66	53	45	38	52	44	38	50	43	38	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	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1287.5 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.)