



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-SM-LED-SS-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5766A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/26/16
[TEST DATE]06/30/14
[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-SS-CW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4194
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	35.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
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	1547	1784	1952
55	1439	1813	2117
65	1297	1864	2365
75	1139	1985	2776
85	969	2288	2907

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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	1256.60	1256.60	1256.60	1256.60	1256.60
2.5	1290.59	1271.02	1255.57	1241.15	1230.85
5.0	1287.50	1268.96	1253.51	1240.12	1230.85
7.5	1280.29	1262.78	1249.39	1238.06	1229.82
10.0	1271.02	1254.54	1243.21	1234.97	1227.76
12.5	1257.63	1244.24	1236.00	1229.82	1223.64
15.0	1242.18	1229.82	1225.70	1223.64	1219.52
17.5	1222.61	1213.34	1214.37	1215.40	1212.31
20.0	1199.95	1194.80	1199.95	1206.13	1205.10
22.5	1174.20	1171.11	1183.47	1195.83	1195.83
25.0	1145.36	1146.39	1164.93	1182.44	1184.50
27.5	1113.43	1116.52	1144.33	1169.05	1171.11
30.0	1077.38	1086.65	1120.64	1152.57	1156.69
32.5	1040.30	1052.66	1095.92	1134.03	1140.21
35.0	1000.13	1016.61	1069.14	1113.43	1120.64
37.5	954.81	978.50	1038.24	1090.77	1100.04
40.0	908.46	938.33	1007.34	1065.02	1077.38
42.5	862.11	896.10	973.35	1038.24	1052.66
45.0	813.70	851.81	938.33	1010.43	1026.91
47.5	764.26	804.43	899.19	979.53	999.10
50.0	714.82	757.05	859.02	946.57	970.26
52.5	664.35	708.64	817.82	912.58	937.30
55.0	613.88	658.17	773.53	876.53	903.31
57.5	563.41	607.70	729.24	838.42	867.26
60.0	512.94	556.20	681.86	798.25	829.15
62.5	457.32	505.73	634.48	751.90	787.95
65.0	407.88	455.26	586.07	707.61	743.66
67.5	359.47	404.79	536.63	659.20	698.34
70.0	311.06	354.32	485.13	610.79	646.84
72.5	264.71	304.88	434.66	560.32	594.31
75.0	219.39	258.53	382.13	503.67	534.57
77.5	177.16	212.18	329.60	442.90	470.71
80.0	136.99	168.92	271.92	373.89	397.58
82.5	96.82	128.75	213.21	289.43	306.94
85.0	62.83	87.55	148.32	183.34	188.49
87.5	31.93	45.32	65.92	62.83	59.74
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	466.36	N.A.	11.10
0-30	1003.52	N.A.	23.90
0-40	1669.83	N.A.	39.80
0-60	3072.88	N.A.	73.30
0-80	4048.01	N.A.	96.50
0-90	4193.51	N.A.	100.00
10-90	4074.00	N.A.	97.20
20-40	1203.47	N.A.	28.70
20-50	1920.92	N.A.	45.80
40-70	1977.99	N.A.	47.20
60-80	975.14	N.A.	23.30
70-80	400.19	N.A.	9.50
80-90	145.49	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	4193.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.51
10-20	346.85
20-30	537.16
30-40	666.31
40-50	717.45
50-60	685.60
60-70	574.94
70-80	400.19
80-90	145.49
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

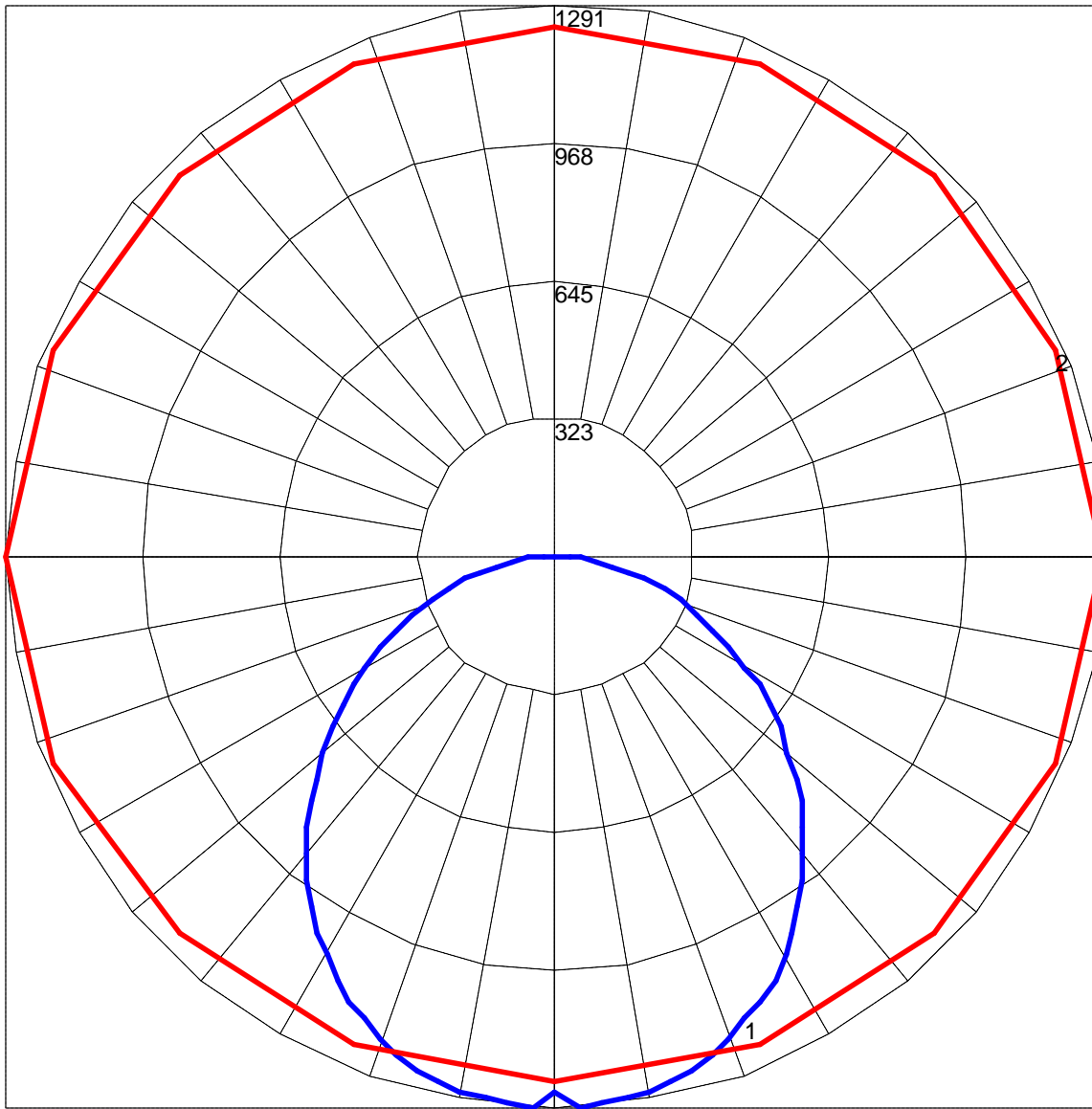
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	105	100	95	91	95	92	89	91	89	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	73	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	39
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34
7	63	49	39	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	23	34	28	23	22

POLAR GRAPH



Maximum Candela = 1290.59 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.)