



IES INDOOR REPORT

PHOTOMETRIC FILENAME : XLPG-LED-SS-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5483A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/14
[TEST DATE]04/19/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLPG-LED-SS-CW
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6967
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	57.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.74
Spacing Criterion (Diagonal)	1.72
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.33 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5372	7656	9109
55	5054	9234	11587
65	4754	12205	16113
75	4345	18784	25125
85	4575	46749	67513

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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	1110.34	1110.34	1110.34	1110.34	1110.34
2.5	1145.36	1124.76	1109.31	1095.92	1085.62
5.0	1142.27	1122.70	1109.31	1095.92	1086.65
7.5	1138.15	1119.61	1108.28	1099.01	1090.77
10.0	1131.97	1114.46	1108.28	1104.16	1099.01
12.5	1121.67	1107.25	1108.28	1112.40	1110.34
15.0	1109.31	1099.01	1110.34	1122.70	1122.70
17.5	1094.89	1088.71	1112.40	1131.97	1134.03
20.0	1077.38	1077.38	1113.43	1142.27	1146.39
22.5	1056.78	1065.02	1113.43	1151.54	1161.84
25.0	1034.12	1050.60	1112.40	1165.96	1181.41
27.5	1008.37	1034.12	1109.31	1180.38	1198.92
30.0	980.56	1016.61	1108.28	1193.77	1216.43
32.5	950.69	998.07	1107.25	1207.16	1232.91
35.0	917.73	976.44	1106.22	1218.49	1248.36
37.5	882.71	951.72	1104.16	1228.79	1262.78
40.0	845.63	925.97	1100.04	1238.06	1275.14
42.5	806.49	897.13	1095.92	1247.33	1286.47
45.0	765.29	868.29	1090.77	1255.57	1297.80
47.5	719.97	839.45	1084.59	1263.81	1308.10
50.0	674.65	810.61	1079.44	1269.99	1318.40
52.5	629.33	780.74	1073.26	1276.17	1328.70
55.0	584.01	748.81	1067.08	1282.35	1339.00
57.5	538.69	716.88	1060.90	1288.53	1351.36
60.0	493.37	685.98	1054.72	1295.74	1361.66
62.5	449.08	655.08	1047.51	1300.89	1369.90
65.0	404.79	625.21	1039.27	1303.98	1371.96
67.5	360.50	596.37	1030.00	1300.89	1365.78
70.0	314.15	568.56	1018.67	1291.62	1352.39
72.5	269.86	539.72	1002.19	1272.05	1332.82
75.0	226.60	509.85	979.53	1248.36	1310.16
77.5	185.40	477.92	949.66	1219.52	1283.38
80.0	146.26	442.90	913.61	1188.62	1255.57
82.5	110.21	405.82	870.35	1150.51	1222.61
85.0	80.34	368.74	820.91	1107.25	1185.53
87.5	55.62	331.66	767.35	1056.78	1141.24
90.0	42.23	295.61	707.61	993.95	1084.59
92.5	38.11	259.56	637.57	918.76	1015.58
95.0	36.05	222.48	559.29	828.12	927.00
97.5	32.96	185.40	473.80	721.00	807.52
100.0	29.87	151.41	391.40	605.64	683.92
102.5	26.78	119.48	312.09	491.31	558.26
105.0	23.69	92.70	245.14	384.19	439.81
107.5	20.60	71.07	190.55	293.55	337.84
110.0	17.51	54.59	148.32	221.45	257.50
112.5	15.45	41.20	116.39	170.98	196.73
115.0	13.39	30.90	91.67	133.90	152.44
117.5	11.33	24.72	73.13	107.12	118.45
120.0	9.27	18.54	58.71	86.52	95.79
122.5	8.24	13.39	47.38	70.04	78.28
125.0	6.18	10.30	38.11	57.68	64.89
127.5	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

135.0	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	421.09	N.A.	6.00
0-30	934.04	N.A.	13.40
0-40	1621.51	N.A.	23.30
0-60	3352.95	N.A.	48.10
0-80	5231.88	N.A.	75.10
0-90	6028.16	N.A.	86.50
10-90	5922.15	N.A.	85.00
20-40	1200.42	N.A.	17.20
20-50	2021.63	N.A.	29.00
40-70	2686.34	N.A.	38.60
60-80	1878.93	N.A.	27.00
70-80	924.03	N.A.	13.30
80-90	796.29	N.A.	11.40
90-110	825.37	N.A.	11.80
90-120	914.80	N.A.	13.10
90-130	939.14	N.A.	13.50
90-150	939.14	N.A.	13.50
90-180	939.14	N.A.	13.50
110-180	113.78	N.A.	1.60
0-180	6967.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.01
10-20	315.08
20-30	512.95
30-40	687.46
40-50	821.21
50-60	910.23
60-70	954.89
70-80	924.03
80-90	796.29
90-100	564.13
100-110	261.24
110-120	89.43
120-130	24.34
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

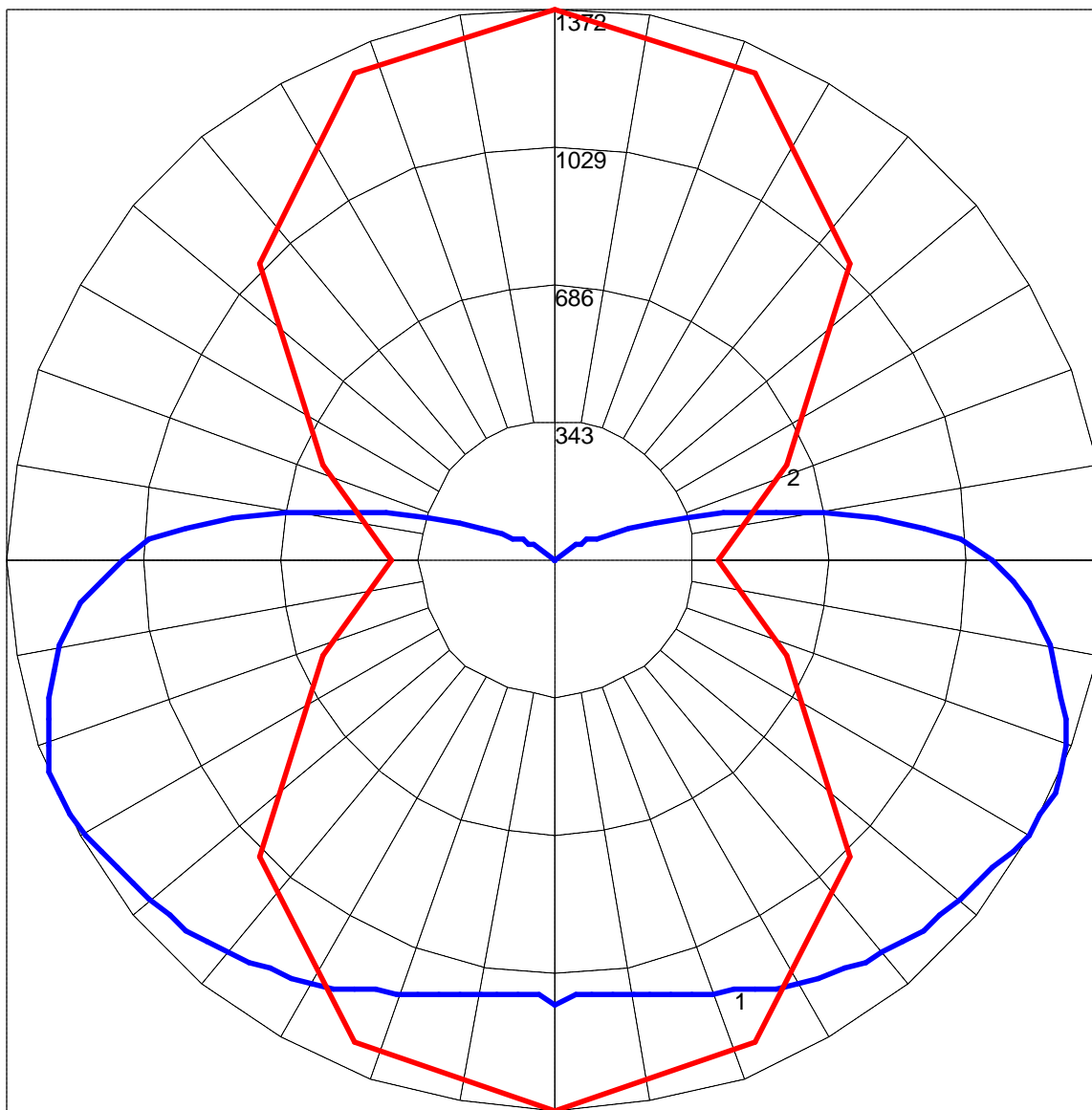
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	87
1	100	93	87	81	96	90	84	79	83	78	74	76	72	69	70	67	64	61
2	89	78	69	62	85	75	67	60	69	62	57	64	58	53	59	54	50	47
3	80	67	57	49	76	64	55	48	59	51	45	54	48	42	50	45	40	37
4	72	58	48	40	69	56	46	39	52	43	37	48	41	35	44	38	33	30
5	66	51	41	34	63	49	40	33	46	37	31	42	35	29	39	33	28	25
6	61	46	36	29	58	44	35	28	41	33	27	38	31	25	35	29	24	21
7	56	41	31	25	53	40	31	24	37	29	23	34	27	22	32	25	21	18
8	52	37	28	22	50	36	27	21	33	26	20	31	24	19	29	23	18	16
9	48	34	25	19	46	33	24	19	31	23	18	29	22	17	27	21	16	14
10	45	31	23	17	43	30	22	17	28	21	16	26	20	15	25	19	15	13

POLAR GRAPH



Maximum Candela = 1371.96 Located At Horizontal Angle = 90, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)