



IES INDOOR REPORT
PHOTOMETRIC FILENAME : XLPG-LED-SS-WW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5536A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/14
[TEST DATE]04/19/16
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLPG-LED-SS-WW
[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	5903
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	56.5
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.76
Spacing Criterion (Diagonal)	1.74
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	4475	6427	7758
55	4243	7781	9982
65	3956	10306	13996
75	3674	15841	21826
85	3813	39124	58539

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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	924.94	924.94	924.94	924.94	924.94
2.5	952.75	936.27	923.91	911.55	903.31
5.0	950.69	935.24	922.88	911.55	903.31
7.5	947.60	932.15	921.85	913.61	907.43
10.0	942.45	927.00	921.85	918.76	913.61
12.5	934.21	921.85	921.85	925.97	922.88
15.0	924.94	914.64	923.91	935.24	934.21
17.5	911.55	906.40	925.97	943.48	945.54
20.0	898.16	897.13	927.00	951.72	955.84
22.5	880.65	885.80	928.03	962.02	972.32
25.0	862.11	874.47	927.00	974.38	989.83
27.5	841.51	861.08	924.94	988.80	1007.34
30.0	818.85	846.66	925.97	1002.19	1024.85
32.5	793.10	831.21	925.97	1014.55	1040.30
35.0	765.29	812.67	925.97	1025.88	1054.72
37.5	736.45	793.10	924.94	1036.18	1069.14
40.0	703.49	771.47	922.88	1046.48	1081.50
42.5	671.56	747.78	919.79	1056.78	1093.86
45.0	637.57	724.09	915.67	1065.02	1105.19
47.5	601.52	700.40	911.55	1074.29	1117.55
50.0	564.44	675.68	907.43	1081.50	1129.91
52.5	527.36	650.96	903.31	1088.71	1141.24
55.0	490.28	625.21	899.19	1095.92	1153.60
57.5	450.11	598.43	894.04	1103.13	1165.96
60.0	413.03	572.68	889.92	1110.34	1177.29
62.5	374.92	546.93	883.74	1117.55	1187.59
65.0	336.81	523.24	877.56	1121.67	1191.71
67.5	299.73	498.52	870.35	1120.64	1188.62
70.0	263.68	474.83	860.05	1112.40	1177.29
72.5	226.60	451.14	846.66	1096.95	1158.75
75.0	191.58	424.36	826.06	1075.32	1138.15
77.5	154.50	397.58	799.28	1048.54	1116.52
80.0	121.54	368.74	767.35	1020.73	1089.74
82.5	92.70	337.84	730.27	982.62	1061.93
85.0	66.95	306.94	687.01	944.51	1027.94
87.5	47.38	276.04	639.63	899.19	983.65
90.0	36.05	244.11	587.10	844.60	931.12
92.5	32.96	213.21	527.36	778.68	862.11
95.0	30.90	182.31	459.38	696.28	779.71
97.5	28.84	153.47	388.31	600.49	680.83
100.0	25.75	124.63	321.36	499.55	570.62
102.5	23.69	99.91	257.50	402.73	466.59
105.0	20.60	78.28	203.94	316.21	368.74
107.5	18.54	60.77	158.62	244.11	280.16
110.0	16.48	46.35	124.63	187.46	214.24
112.5	14.42	36.05	98.88	146.26	163.77
115.0	12.36	27.81	79.31	115.36	127.72
117.5	10.30	21.63	63.86	91.67	103.00
120.0	9.27	17.51	51.50	74.16	83.43
122.5	8.24	13.39	42.23	60.77	67.98
125.0	7.21	10.30	33.99	50.47	56.65
127.5	6.18	7.21	27.81	42.23	47.38
130.0	5.15	5.15	22.66	36.05	39.14
132.5	4.12	4.12	18.54	29.87	32.96

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CANDELA TABULATION - (Cont.)

135.0	4.12	3.09	15.45	24.72	28.84
137.5	4.12	3.09	12.36	20.60	23.69
140.0	3.09	2.06	9.27	17.51	19.57
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	350.54	N.A.	5.90
0-30	778.76	N.A.	13.20
0-40	1355.14	N.A.	23.00
0-60	2818.47	N.A.	47.70
0-80	4419.99	N.A.	74.90
0-90	5095.25	N.A.	86.30
10-90	5007.04	N.A.	84.80
20-40	1004.6	N.A.	17.00
20-50	1696.51	N.A.	28.70
40-70	2276.84	N.A.	38.60
60-80	1601.52	N.A.	27.10
70-80	788.02	N.A.	13.40
80-90	675.26	N.A.	11.40
90-110	688.38	N.A.	11.70
90-120	765.02	N.A.	13.00
90-130	794.56	N.A.	13.50
90-150	807.34	N.A.	13.70
90-180	807.34	N.A.	13.70
110-180	118.97	N.A.	2.00
0-180	5902.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.21
10-20	262.33
20-30	428.22
30-40	576.37
40-50	691.91
50-60	771.42
60-70	813.50
70-80	788.02
80-90	675.26
90-100	471.42
100-110	216.96
110-120	76.64
120-130	29.54
130-140	11.92
140-150	0.86
150-160	0.00
160-170	0.00
170-180	0.00

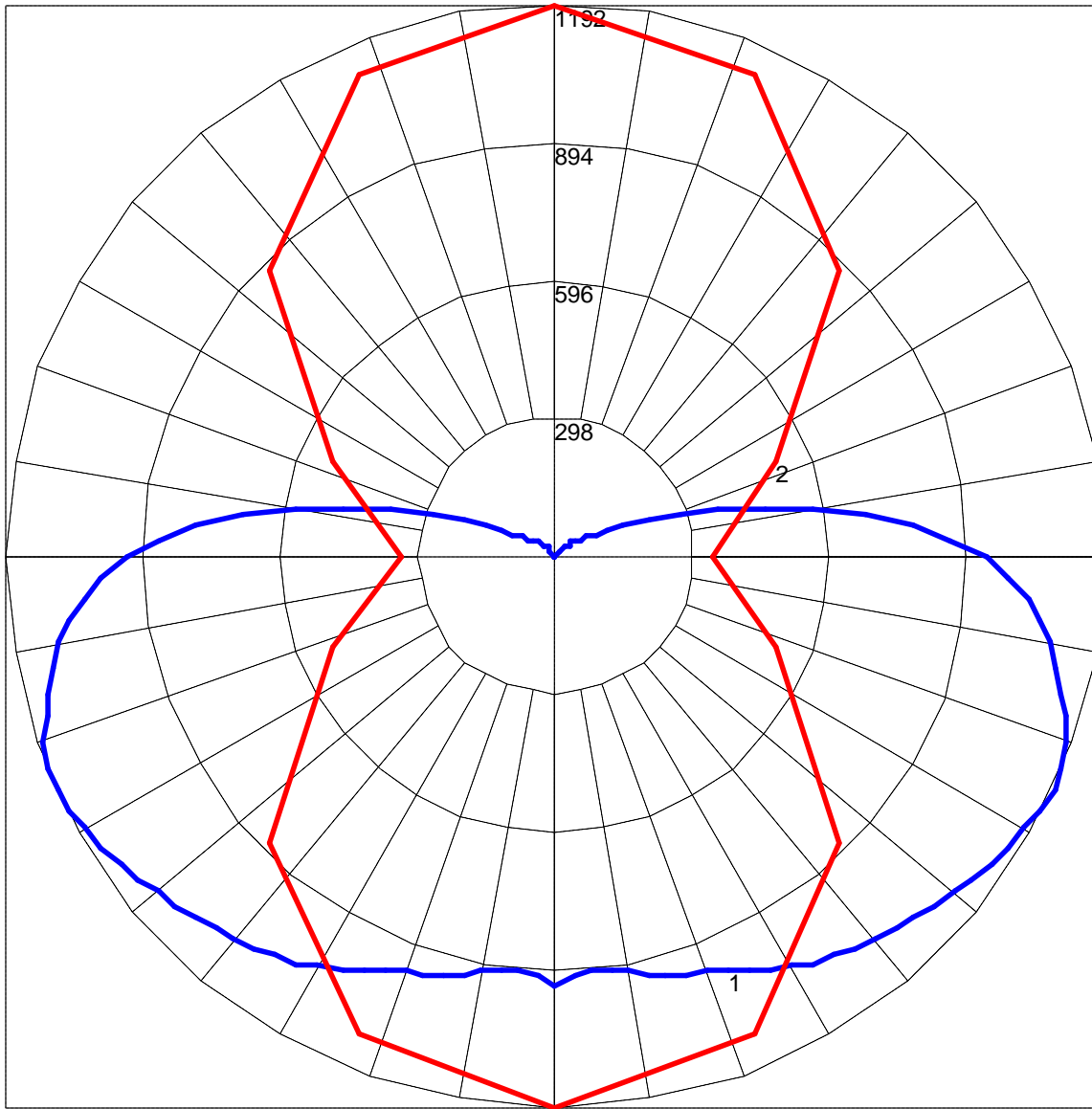
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	89	89	89	86
1	100	93	87	81	96	89	84	79	82	78	73	76	72	69	70	67	64	61
2	89	78	69	62	85	75	67	60	69	62	56	63	58	53	58	54	50	46
3	80	67	57	49	76	64	55	47	59	51	45	54	48	42	50	44	40	37
4	72	58	48	40	69	56	46	39	51	43	37	47	40	35	43	38	33	30
5	66	51	41	33	63	49	40	33	45	37	31	42	35	29	39	32	28	25
6	61	46	36	28	58	44	35	28	41	32	26	38	30	25	35	28	24	21
7	56	41	31	25	53	39	30	24	37	29	23	34	27	22	31	25	21	18
8	52	37	28	22	49	36	27	21	33	26	20	31	24	19	29	23	18	16
9	48	34	25	19	46	33	24	19	30	23	18	28	22	17	26	20	16	14
10	45	31	23	17	43	30	22	17	28	21	16	26	20	15	24	19	15	13

POLAR GRAPH



Maximum Candela = 1191.71 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.)