



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : XLPG-LED-SS-NW.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5530A  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]05/12/14  
[TEST DATE]04/19/16  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]XLPG-LED-SS-NW  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[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	6229
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	56.7
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	4735	6803	8213
55	4456	8227	10535
65	4185	10887	14770
75	3832	16730	23011
85	3989	41235	61530

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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>
<b>0.0</b>	979.53	979.53	979.53	979.53	979.53
<b>2.5</b>	1009.40	991.89	978.50	966.14	957.90
<b>5.0</b>	1007.34	990.86	977.47	966.14	957.90
<b>7.5</b>	1003.22	986.74	977.47	968.20	960.99
<b>10.0</b>	997.04	982.62	976.44	973.35	968.20
<b>12.5</b>	988.80	976.44	977.47	980.56	979.53
<b>15.0</b>	978.50	968.20	978.50	989.83	990.86
<b>17.5</b>	965.11	959.96	980.56	1000.13	1002.19
<b>20.0</b>	949.66	949.66	982.62	1008.37	1013.52
<b>22.5</b>	932.15	938.33	983.65	1018.67	1030.00
<b>25.0</b>	911.55	925.97	982.62	1033.09	1048.54
<b>27.5</b>	888.89	912.58	980.56	1047.51	1067.08
<b>30.0</b>	864.17	897.13	980.56	1061.93	1084.59
<b>32.5</b>	838.42	879.62	981.59	1075.32	1101.07
<b>35.0</b>	809.58	861.08	981.59	1087.68	1116.52
<b>37.5</b>	777.65	839.45	979.53	1097.98	1130.94
<b>40.0</b>	745.72	815.76	976.44	1108.28	1144.33
<b>42.5</b>	710.70	791.04	973.35	1118.58	1157.72
<b>45.0</b>	674.65	765.29	969.23	1126.82	1170.08
<b>47.5</b>	635.51	740.57	965.11	1136.09	1182.44
<b>50.0</b>	596.37	714.82	959.96	1143.30	1192.74
<b>52.5</b>	555.17	688.04	955.84	1150.51	1206.13
<b>55.0</b>	515.00	661.26	950.69	1157.72	1217.46
<b>57.5</b>	475.86	633.45	945.54	1165.96	1230.85
<b>60.0</b>	435.69	605.64	940.39	1173.17	1243.21
<b>62.5</b>	395.52	577.83	934.21	1180.38	1253.51
<b>65.0</b>	356.38	551.05	927.00	1184.50	1257.63
<b>67.5</b>	317.24	525.30	918.76	1182.44	1252.48
<b>70.0</b>	279.13	500.58	908.46	1174.20	1240.12
<b>72.5</b>	238.96	475.86	893.01	1156.69	1221.58
<b>75.0</b>	199.82	449.08	872.41	1133.00	1199.95
<b>77.5</b>	162.74	419.21	843.57	1105.19	1177.29
<b>80.0</b>	128.75	388.31	809.58	1075.32	1149.48
<b>82.5</b>	96.82	357.41	770.44	1038.24	1116.52
<b>85.0</b>	70.04	322.39	724.09	998.07	1080.47
<b>87.5</b>	49.44	289.43	673.62	948.63	1036.18
<b>90.0</b>	37.08	257.50	619.03	891.98	981.59
<b>92.5</b>	33.99	225.57	557.23	816.79	912.58
<b>95.0</b>	31.93	193.64	485.13	731.30	826.06
<b>97.5</b>	28.84	161.71	409.94	631.39	722.03
<b>100.0</b>	25.75	130.81	337.84	526.33	606.67
<b>102.5</b>	23.69	104.03	270.89	427.45	484.10
<b>105.0</b>	20.60	80.34	212.18	332.69	382.13
<b>107.5</b>	17.51	61.80	165.83	257.50	293.55
<b>110.0</b>	15.45	47.38	129.78	196.73	225.57
<b>112.5</b>	13.39	36.05	101.97	150.38	174.07
<b>115.0</b>	11.33	27.81	81.37	118.45	134.93
<b>117.5</b>	9.27	21.63	64.89	94.76	106.09
<b>120.0</b>	8.24	16.48	52.53	76.22	85.49
<b>122.5</b>	7.21	12.36	42.23	62.83	69.01
<b>125.0</b>	6.18	9.27	33.99	51.50	57.68
<b>127.5</b>	5.15	6.18	27.81	43.26	48.41
<b>130.0</b>	4.12	4.12	22.66	35.02	40.17
<b>132.5</b>	3.09	3.09	18.54	29.87	33.99

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	3.09	2.06	14.42	24.72	27.81
<b>137.5</b>	2.06	1.03	11.33	20.60	22.66
<b>140.0</b>	1.03	1.03	8.24	16.48	19.57
<b>142.5</b>	0.00	0.00	0.00	0.00	0.00
<b>145.0</b>	0.00	0.00	0.00	0.00	0.00
<b>147.5</b>	0.00	0.00	0.00	0.00	0.00
<b>150.0</b>	0.00	0.00	0.00	0.00	0.00
<b>152.5</b>	0.00	0.00	0.00	0.00	0.00
<b>155.0</b>	0.00	0.00	0.00	0.00	0.00
<b>157.5</b>	0.00	0.00	0.00	0.00	0.00
<b>160.0</b>	0.00	0.00	0.00	0.00	0.00
<b>162.5</b>	0.00	0.00	0.00	0.00	0.00
<b>165.0</b>	0.00	0.00	0.00	0.00	0.00
<b>167.5</b>	0.00	0.00	0.00	0.00	0.00
<b>170.0</b>	0.00	0.00	0.00	0.00	0.00
<b>172.5</b>	0.00	0.00	0.00	0.00	0.00
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00
<b>177.5</b>	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	371.33	N.A.	6.00
0-30	824.92	N.A.	13.20
0-40	1435.27	N.A.	23.00
0-60	2982.52	N.A.	47.90
0-80	4672.42	N.A.	75.00
0-90	5384.28	N.A.	86.40
10-90	5290.83	N.A.	84.90
20-40	1063.94	N.A.	17.10
20-50	1795.95	N.A.	28.80
40-70	2406.07	N.A.	38.60
60-80	1689.9	N.A.	27.10
70-80	831.09	N.A.	13.30
80-90	711.86	N.A.	11.40
90-110	724.43	N.A.	11.60
90-120	803.38	N.A.	12.90
90-130	833.00	N.A.	13.40
90-150	845.13	N.A.	13.60
90-180	845.13	N.A.	13.60
110-180	120.70	N.A.	1.90
0-180	6229.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	93.45
10-20	277.88
20-30	453.59
30-40	610.35
40-50	732.02
50-60	815.24
60-70	858.81
70-80	831.09
80-90	711.86
90-100	497.09
100-110	227.34
110-120	78.95
120-130	29.62
130-140	11.36
140-150	0.77
150-160	0.00
160-170	0.00
170-180	0.00

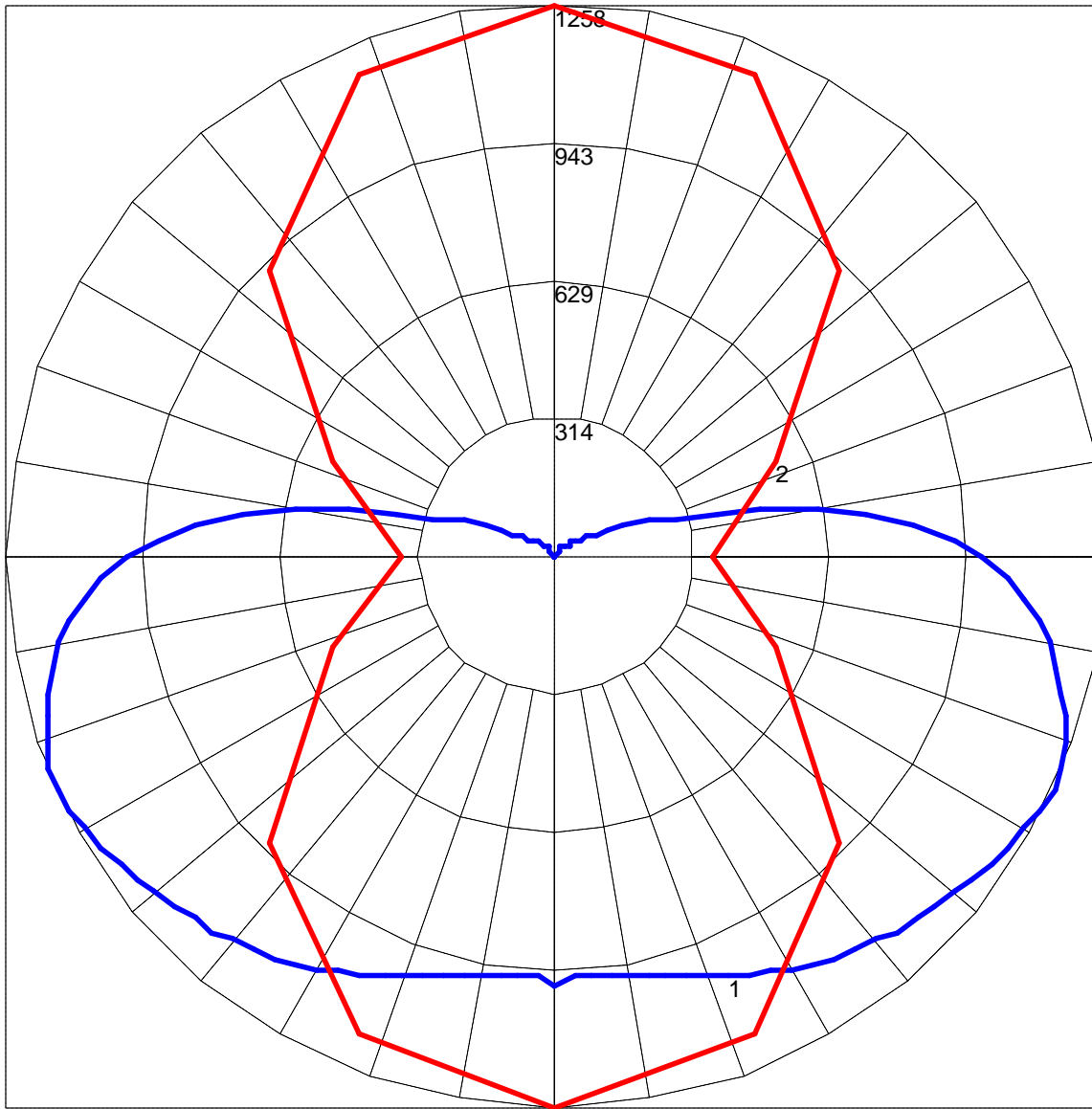
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	86
1	100	93	87	81	96	89	84	79	83	78	74	76	72	69	70	67	64	61
2	89	78	69	62	85	75	67	60	69	62	56	64	58	53	58	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	51	43	37	47	40	35	44	38	33	30
5	66	51	41	33	63	49	40	33	45	37	31	42	35	29	39	33	28	25
6	61	46	36	28	58	44	35	28	41	32	26	38	30	25	35	29	24	21
7	56	41	31	25	53	40	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	31	23	18	28	22	17	26	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 = 1257.63 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.)