



IES INDOOR REPORT
PHOTOMETRIC FILENAME : AU-LED-SS-NW-UE-AC16.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5556
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/15/14
[TEST DATE]05/15/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-NW-UE-AC16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6205

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6205
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	58.7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.54
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.38 ft (Diameter)
Luminous Width (90-270)	1.38 ft (Diameter)
Luminous Height	0.92 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5157	5052	5108
55	4098	4007	4001
65	3640	3615	3615
75	3619	3686	3578
85	3618	3828	3657

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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	1053	1053	1053	1053	1053
2.5	1054	1055	1052	1052	1053
5.0	1043	1046	1042	1042	1046
7.5	1052	1046	1039	1040	1038
10.0	1074	1074	1061	1065	1066
12.5	1113	1106	1102	1100	1100
15.0	1148	1149	1143	1134	1134
17.5	1173	1172	1176	1164	1169
20.0	1189	1181	1184	1170	1186
22.5	1214	1189	1192	1188	1189
25.0	1180	1157	1157	1129	1134
27.5	1174	1176	1176	1156	1161
30.0	1157	1124	1133	1123	1138
32.5	1156	1130	1125	1103	1127
35.0	1095	1060	1062	1056	1073
37.5	1072	1048	1037	1026	1054
40.0	1004	950	966	960	991
42.5	940	915	901	894	920
45.0	931	901	912	896	922
47.5	821	792	794	781	816
50.0	819	813	812	793	805
52.5	769	737	746	751	764
55.0	718	696	702	676	701
57.5	703	691	706	694	703
60.0	650	627	636	629	650
62.5	640	628	644	624	635
65.0	599	586	595	590	595
67.5	590	578	602	582	592
70.0	562	555	566	555	559
72.5	554	546	568	551	560
75.0	539	532	549	532	533
77.5	506	507	528	511	508
80.0	513	521	536	521	519
82.5	458	473	485	468	465
85.0	466	483	493	483	471
87.5	473	490	503	492	477
90.0	445	458	475	459	447
92.5	450	471	492	479	464
95.0	437	451	469	458	444
97.5	423	440	452	444	434
100.0	405	428	438	431	413
102.5	380	402	414	402	383
105.0	377	402	415	406	390
107.5	353	377	393	385	364
110.0	332	353	366	355	332
112.5	320	333	346	337	318
115.0	296	312	328	316	299
117.5	268	284	299	289	275
120.0	251	263	276	267	261
122.5	232	243	263	249	238
125.0	209	217	235	222	211
127.5	187	196	211	199	190
130.0	168	174	189	178	168
132.5	145	153	166	153	147

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CANDELA TABULATION - (Cont.)

135.0	124	132	144	132	126
137.5	105	111	121	110	105
140.0	84	88	95	88	84
142.5	64	68	72	68	64
145.0	45	48	49	47	44
147.5	31	31	32	31	29
150.0	19	19	19	19	18
152.5	11	11	11	11	11
155.0	5	6	6	6	5
157.5	3	3	3	3	3
160.0	2	2	2	2	2
162.5	2	2	2	2	2
165.0	2	2	2	2	2
167.5	2	2	2	3	3
170.0	2	3	3	3	3
172.5	2	2	3	3	3
175.0	2	2	2	3	3
177.5	1	2	2	2	2
180.0	1	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	423.72	N.A.	6.80
0-30	963.20	N.A.	15.50
0-40	1634.01	N.A.	26.30
0-60	2951.86	N.A.	47.60
0-80	4117.33	N.A.	66.40
0-90	4645.17	N.A.	74.90
10-90	4544.95	N.A.	73.30
20-40	1210.29	N.A.	19.50
20-50	1886.57	N.A.	30.40
40-70	1915.62	N.A.	30.90
60-80	1165.47	N.A.	18.80
70-80	567.70	N.A.	9.10
80-90	527.84	N.A.	8.50
90-110	909.90	N.A.	14.70
90-120	1218.55	N.A.	19.60
90-130	1418.62	N.A.	22.90
90-150	1554.92	N.A.	25.10
90-180	1559.48	N.A.	25.10
110-180	649.58	N.A.	10.50
0-180	6204.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.22
10-20	323.50
20-30	539.48
30-40	670.81
40-50	676.28
50-60	641.57
60-70	597.77
70-80	567.70
80-90	527.84
90-100	494.72
100-110	415.18
110-120	308.65
120-130	200.07
130-140	104.02
140-150	32.27
150-160	3.72
160-170	0.61
170-180	0.24

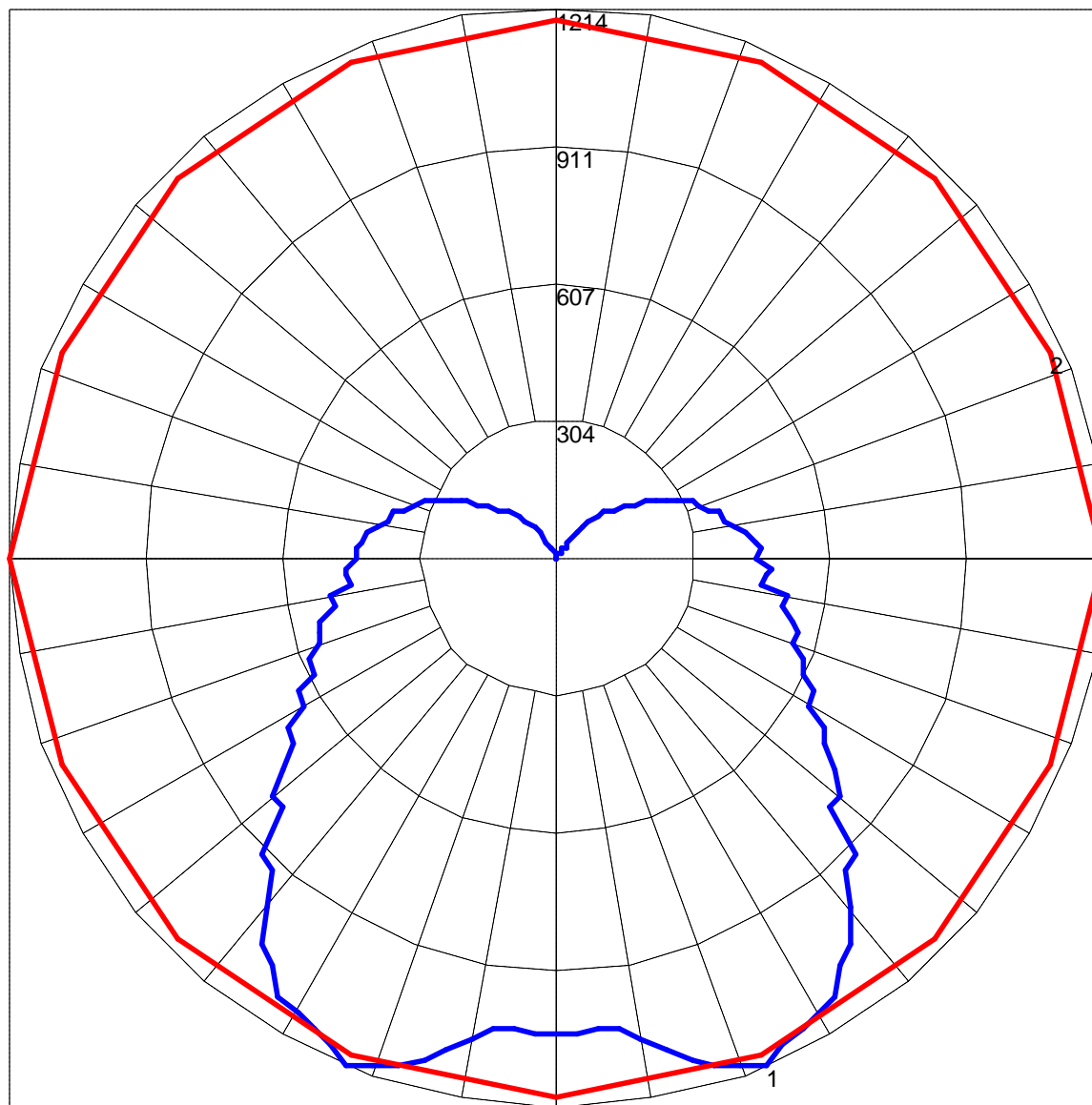
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	100	94	88	83	94	89	84	79	80	76	72	72	69	66	64	62	59	55
2	90	80	72	66	84	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	70	61	53	76	66	58	51	59	53	47	53	48	43	48	43	39	36
4	74	61	52	45	70	58	50	43	52	45	40	47	41	36	42	37	33	30
5	68	54	45	38	64	52	43	37	47	39	34	42	36	31	38	33	29	26
6	62	49	39	33	59	46	38	32	42	35	29	38	32	27	34	29	25	22
7	58	44	35	29	54	42	33	28	38	31	26	34	28	24	31	26	22	20
8	54	40	31	25	51	38	30	24	35	28	23	31	25	21	28	23	20	17
9	50	36	28	22	47	35	27	22	32	25	20	29	23	19	26	21	18	15
10	47	33	25	20	44	32	25	20	29	23	18	27	21	17	24	19	16	14

POLAR GRAPH



Maximum Candela = 1214 Located At Horizontal Angle = 0, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)