



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5562
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/16/14
[TEST DATE]05/16/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]AU-LED-SS-WW-UE-AC16
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]6086

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6086
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	58.8
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.44
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.56
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	4631	5019	4476
55	3818	4064	3744
65	3500	3573	3488
75	3572	3505	3632
85	3742	3486	3859

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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	1039	1039	1039	1039	1039
2.5	1040	1040	1038	1038	1037
5.0	1031	1026	1019	1018	1016
7.5	1032	1018	1008	1010	1009
10.0	1060	1044	1029	1029	1039
12.5	1110	1094	1078	1075	1092
15.0	1121	1123	1120	1109	1111
17.5	1150	1154	1155	1139	1124
20.0	1144	1160	1175	1154	1125
22.5	1170	1179	1176	1153	1120
25.0	1117	1150	1167	1134	1089
27.5	1117	1144	1159	1117	1077
30.0	1072	1117	1148	1114	1080
32.5	1053	1106	1130	1082	1029
35.0	972	1039	1094	1039	974
37.5	950	1014	1057	1007	946
40.0	881	944	1002	946	878
42.5	846	898	936	898	808
45.0	836	885	906	868	808
47.5	735	797	844	818	774
50.0	755	796	796	763	711
52.5	681	737	770	750	714
55.0	669	701	712	695	656
57.5	656	685	691	669	648
60.0	613	635	645	645	605
62.5	598	625	620	619	597
65.0	576	587	588	591	574
67.5	556	575	570	586	578
70.0	550	560	548	559	545
72.5	531	538	534	557	559
75.0	532	534	522	536	541
77.5	507	498	490	514	529
80.0	512	504	495	511	526
82.5	478	467	447	475	492
85.0	482	461	449	480	497
87.5	502	473	465	490	500
90.0	478	450	444	470	486
92.5	469	451	448	464	477
95.0	472	443	429	456	471
97.5	451	422	418	453	469
100.0	444	415	405	438	456
102.5	418	391	377	406	425
105.0	413	385	370	396	412
107.5	396	366	349	383	409
110.0	375	338	319	349	381
112.5	357	321	304	331	357
115.0	341	305	279	314	335
117.5	306	276	256	290	313
120.0	278	253	234	262	280
122.5	263	237	214	245	266
125.0	237	214	192	222	242
127.5	212	192	172	196	215
130.0	190	172	151	175	197
132.5	168	153	132	153	167

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CANDELA TABULATION - (Cont.)

135.0	142	131	113	133	143
137.5	120	111	95	108	119
140.0	95	89	78	85	95
142.5	74	69	60	64	73
145.0	51	49	43	46	52
147.5	34	33	30	30	33
150.0	22	22	20	19	20
152.5	14	14	13	12	12
155.0	9	8	8	8	8
157.5	5	5	5	5	5
160.0	4	4	5	4	4
162.5	4	4	4	4	4
165.0	4	4	5	4	4
167.5	4	4	5	5	5
170.0	4	5	5	5	5
172.5	4	5	5	5	4
175.0	4	4	5	4	4
177.5	4	4	4	4	4
180.0	3	3	3	3	3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	414.71	N.A.	6.80
0-30	942.33	N.A.	15.50
0-40	1593.72	N.A.	26.20
0-60	2882.92	N.A.	47.40
0-80	4028.32	N.A.	66.20
0-90	4547.91	N.A.	74.70
10-90	4450.06	N.A.	73.10
20-40	1179.01	N.A.	19.40
20-50	1839.51	N.A.	30.20
40-70	1876.49	N.A.	30.80
60-80	1145.39	N.A.	18.80
70-80	558.10	N.A.	9.20
80-90	519.59	N.A.	8.50
90-110	899.24	N.A.	14.80
90-120	1202.96	N.A.	19.80
90-130	1397.8	N.A.	23.00
90-150	1531.4	N.A.	25.20
90-180	1537.72	N.A.	25.30
110-180	638.48	N.A.	10.50
0-180	6085.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.85
10-20	316.86
20-30	527.63
30-40	651.39
40-50	660.50
50-60	628.71
60-70	587.29
70-80	558.10
80-90	519.59
90-100	488.68
100-110	410.57
110-120	303.72
120-130	194.83
130-140	101.48
140-150	32.12
150-160	4.67
160-170	1.22
170-180	0.43

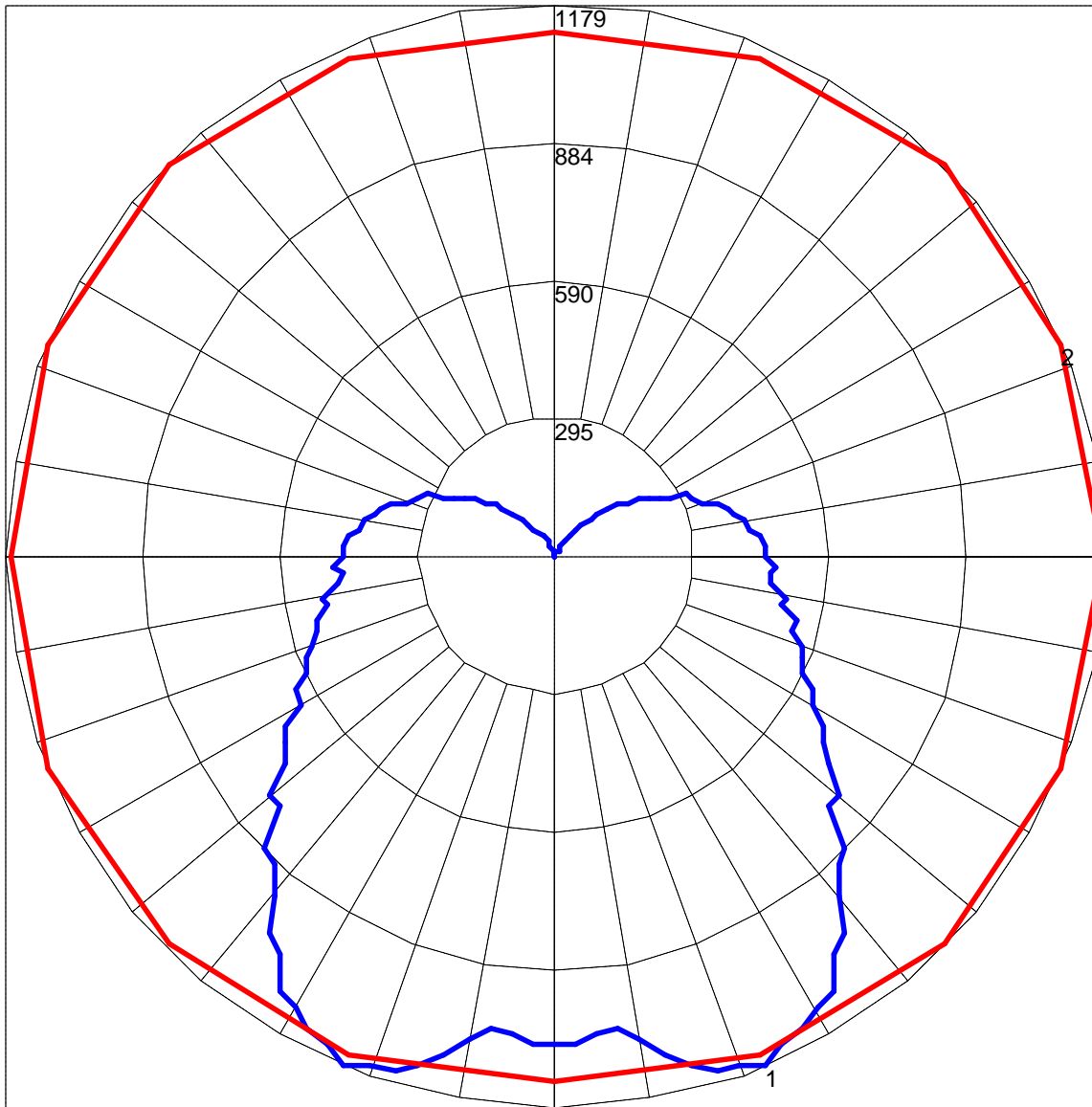
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	88	83	94	89	84	79	80	76	72	71	68	66	64	61	59	55
2	89	80	72	66	84	76	69	63	68	62	57	61	56	52	54	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	52	45	69	58	49	43	52	45	40	47	41	36	42	37	33	30
5	68	54	45	38	64	52	43	36	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	19
8	53	40	31	25	50	38	30	24	35	28	23	31	25	21	28	23	19	17
9	50	36	28	22	47	35	27	22	32	25	20	29	23	19	26	21	17	15
10	47	33	25	20	44	32	24	19	29	23	18	27	21	17	24	19	16	14

POLAR GRAPH



Maximum Candela = 1179 Located At Horizontal Angle = 22.5, Vertical Angle = 22.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (22.5) (Through Max. Cd.)