



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GA14-LED-SS-CW-P12.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4867A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]3/2/16
[TESTDATE]12/09/13
[MANUFAC]LSI INDUSTRIES, INC
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]SCALED FROM ORIGINAL TEST DATA
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCE] LED
[_SEARCH_APPLICATION] Indoor
[LUMCAT]GA14-LED-SS-CW-P12

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3498
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3020	2816	2423
55	2437	2023	1603
65	1822	1385	1309
75	1456	1146	1405
85	2178	2086	2607

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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	1468.56	1468.56	1468.56	1468.56	1468.56
2.5	1510.32	1484.80	1467.40	1451.16	1438.40
5.0	1508.00	1481.32	1466.24	1450.00	1437.24
7.5	1502.20	1477.84	1461.60	1443.04	1429.12
10.0	1494.08	1469.72	1451.16	1433.76	1422.16
12.5	1484.80	1460.44	1438.40	1423.32	1409.40
15.0	1469.72	1446.52	1426.80	1408.24	1395.48
17.5	1452.32	1429.12	1408.24	1389.68	1376.92
20.0	1431.44	1407.08	1385.04	1368.80	1356.04
22.5	1405.92	1382.72	1360.68	1343.28	1330.52
25.0	1375.76	1352.56	1332.84	1314.28	1300.36
27.5	1340.96	1317.76	1298.04	1279.48	1265.56
30.0	1300.36	1274.84	1257.44	1238.88	1224.96
32.5	1252.80	1229.60	1208.72	1191.32	1176.24
35.0	1198.28	1177.40	1157.68	1129.84	1108.96
37.5	1140.28	1120.56	1095.04	1054.44	1028.92
40.0	1075.32	1055.60	1021.96	969.76	940.76
42.5	1003.40	984.84	944.24	883.92	849.12
45.0	926.84	909.44	864.20	792.28	743.56
47.5	844.48	830.56	784.16	679.76	627.56
50.0	763.28	749.36	696.00	571.88	523.16
52.5	683.24	667.00	598.56	487.20	452.40
55.0	606.68	586.96	503.44	421.08	399.04
57.5	530.12	504.60	425.72	366.56	351.48
60.0	460.52	425.72	361.92	320.16	309.72
62.5	393.24	354.96	305.08	278.40	271.44
65.0	334.08	294.64	254.04	244.76	240.12
67.5	280.72	245.92	206.48	216.92	211.12
70.0	234.32	206.48	169.36	193.72	187.92
72.5	196.04	175.16	141.52	174.00	171.68
75.0	163.56	148.48	128.76	157.76	157.76
77.5	135.72	127.60	121.80	138.04	145.00
80.0	127.60	118.32	111.36	126.44	129.92
82.5	106.72	97.44	97.44	116.00	125.28
85.0	82.36	75.40	78.88	96.28	98.60
87.5	54.52	53.36	54.52	70.76	64.96
90.0	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	542.78	N.A.	15.50
0-30	1156.8	N.A.	33.10
0-40	1874.74	N.A.	53.60
0-60	2980.32	N.A.	85.20
0-80	3412.8	N.A.	97.60
0-90	3497.82	N.A.	100.00
10-90	3358.2	N.A.	96.00
20-40	1331.96	N.A.	38.10
20-50	1983.08	N.A.	56.70
40-70	1377.62	N.A.	39.40
60-80	432.49	N.A.	12.40
70-80	160.43	N.A.	4.60
80-90	85.02	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3497.82	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.61
10-20	403.17
20-30	614.02
30-40	717.94
40-50	651.13
50-60	454.45
60-70	272.05
70-80	160.43
80-90	85.02
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

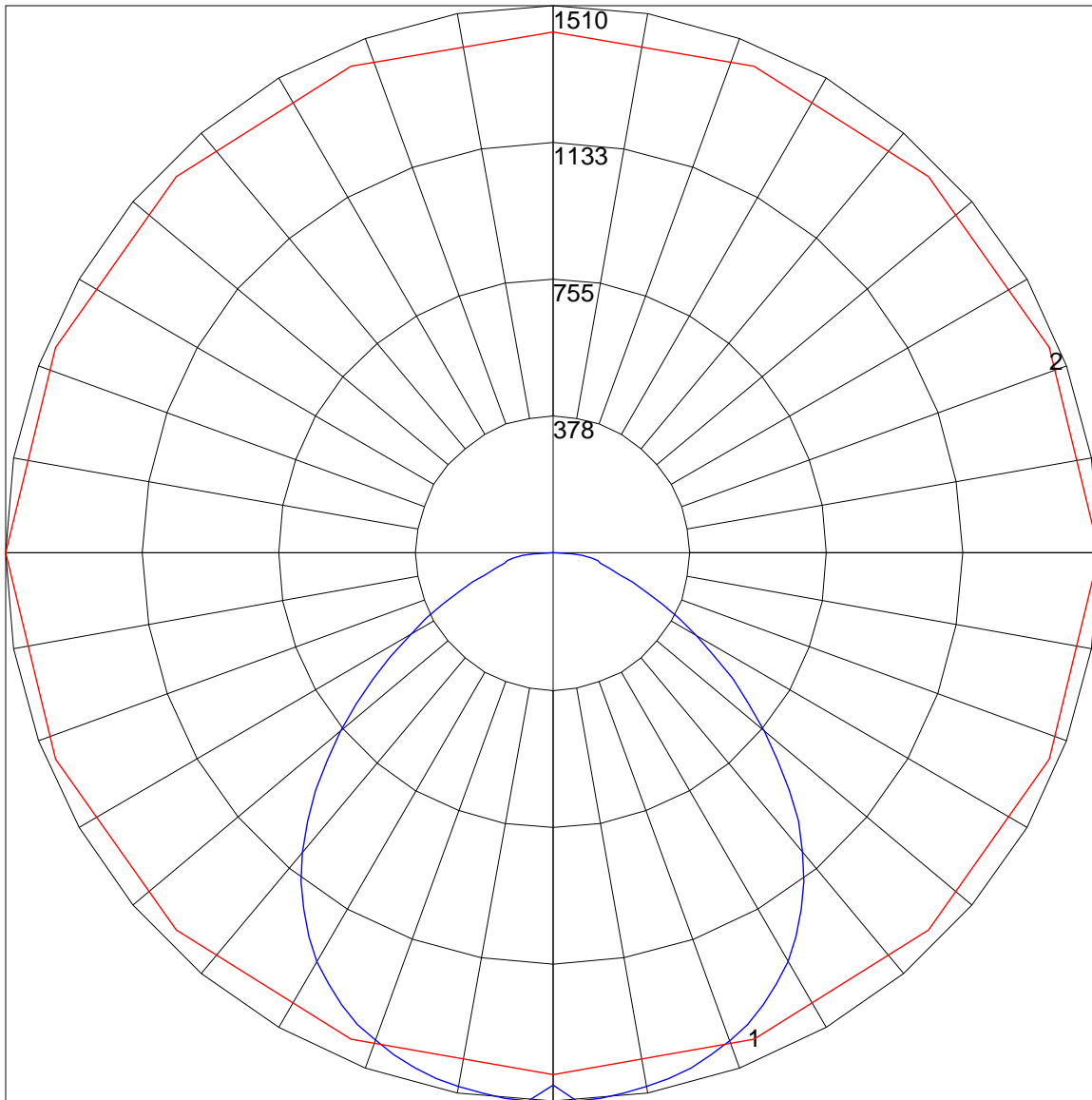
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	59	68	62	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34
9	59	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1510.32 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)