



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-8-LED-11L-DA-S-35-80.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3606
 [TESTLAB] TUV SUD America
 [TESTDATE] 12/7/2018 11:10:40 AM
 [ISSUEDATE] 07/22/2021
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] EG3-8-LED-11L-DA-S-35-80
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor
 [SEARCH_COLORTEMP] 3500

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	75
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.17 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10211	7927	7473
55	9782	6579	5805
65	10110	5358	3984
75	11629	4524	2328
85	18575	3743	873

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	3560	3560	3560	3560	3560	3560	3560	3560	3560	3560
2.5	3669	3620	3519	3485	3447	3485	3519	3620	3669	3620
5.0	3644	3600	3502	3470	3439	3470	3502	3600	3644	3600
7.5	3611	3572	3479	3454	3420	3454	3479	3572	3611	3572
10.0	3557	3527	3448	3422	3394	3422	3448	3527	3557	3527
12.5	3481	3460	3401	3382	3356	3382	3401	3460	3481	3460
15.0	3392	3378	3340	3341	3320	3341	3340	3378	3392	3378
17.5	3298	3293	3268	3295	3273	3295	3268	3293	3298	3293
20.0	3193	3196	3188	3238	3223	3238	3188	3196	3193	3196
22.5	3081	3087	3101	3173	3165	3173	3101	3087	3081	3087
25.0	2974	2970	3005	3094	3100	3094	3005	2970	2974	2970
27.5	2894	2871	2896	3006	3022	3006	2896	2871	2894	2871
30.0	2833	2792	2784	2906	2939	2906	2784	2792	2833	2792
32.5	2769	2727	2682	2805	2846	2805	2682	2727	2769	2727
35.0	2683	2658	2588	2693	2743	2693	2588	2658	2683	2658
37.5	2576	2567	2494	2572	2628	2572	2494	2567	2576	2567
40.0	2454	2446	2400	2443	2503	2443	2400	2446	2454	2446
42.5	2321	2315	2296	2306	2368	2306	2296	2315	2321	2315
45.0	2193	2185	2182	2164	2225	2164	2182	2185	2193	2185
47.5	2074	2059	2053	2023	2075	2023	2053	2059	2074	2059
50.0	1949	1931	1914	1880	1918	1880	1914	1931	1949	1931
52.5	1830	1802	1769	1738	1755	1738	1769	1802	1830	1802
55.0	1719	1678	1617	1582	1578	1582	1617	1678	1719	1678
57.5	1621	1560	1477	1440	1409	1440	1477	1560	1621	1560
60.0	1514	1463	1343	1294	1245	1294	1343	1463	1514	1463
62.5	1417	1363	1225	1156	1092	1156	1225	1363	1417	1363
65.0	1328	1275	1119	1018	947	1018	1119	1275	1328	1275
67.5	1236	1184	1020	887	810	887	1020	1184	1236	1184
70.0	1146	1094	928	765	681	765	928	1094	1146	1094
72.5	1053	1005	835	652	564	652	835	1005	1053	1005
75.0	965	917	749	553	457	553	749	917	965	917
77.5	873	829	669	466	361	466	669	829	873	829
80.0	776	738	588	386	273	386	588	738	776	738
82.5	682	649	511	317	195	317	511	649	682	649
85.0	596	568	439	258	130	258	439	568	596	568
87.5	518	495	375	207	84	207	375	495	518	495
90.0	453	427	320	166	60	166	320	427	453	427
92.5	400	378	280	140	54	140	280	378	400	378
95.0	361	341	252	119	50	119	252	341	361	341
97.5	324	306	225	99	46	99	225	306	324	306
100.0	287	272	199	81	42	81	199	272	287	272
102.5	256	240	175	65	37	65	175	240	256	240
105.0	229	215	152	51	32	51	152	215	229	215
107.5	206	190	131	37	27	37	131	190	206	190
110.0	184	168	111	23	22	23	111	168	184	168
112.5	163	148	91	13	17	13	91	148	163	148
115.0	143	128	74	9	14	9	74	128	143	128
117.5	125	110	56	7	11	7	56	110	125	110
120.0	108	92	41	4	8	4	41	92	108	92
122.5	91	76	27	3	5	3	27	76	91	76
125.0	76	61	14	2	4	2	14	61	76	61
127.5	61	47	3	1	2	1	3	47	61	47
130.0	47	32	1	1	1	1	1	32	47	32
132.5	32	18	1	1	1	1	1	18	32	18

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CANDELA TABULATION - (Cont.)

135.0	18	5	2	2	2	2	2	5	18	5
137.5	7	2	2	2	2	2	2	2	7	2
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	3560	3560	3560	3560	3560	3560	3560
2.5	3519	3485	3447	3485	3519	3620	3669
5.0	3502	3470	3439	3470	3502	3600	3644
7.5	3479	3454	3420	3454	3479	3572	3611
10.0	3448	3422	3394	3422	3448	3527	3557
12.5	3401	3382	3356	3382	3401	3460	3481
15.0	3340	3341	3320	3341	3340	3378	3392
17.5	3268	3295	3273	3295	3268	3293	3298
20.0	3188	3238	3223	3238	3188	3196	3193
22.5	3101	3173	3165	3173	3101	3087	3081
25.0	3005	3094	3100	3094	3005	2970	2974
27.5	2896	3006	3022	3006	2896	2871	2894
30.0	2784	2906	2939	2906	2784	2792	2833
32.5	2682	2805	2846	2805	2682	2727	2769
35.0	2588	2693	2743	2693	2588	2658	2683
37.5	2494	2572	2628	2572	2494	2567	2576
40.0	2400	2443	2503	2443	2400	2446	2454
42.5	2296	2306	2368	2306	2296	2315	2321
45.0	2182	2164	2225	2164	2182	2185	2193
47.5	2053	2023	2075	2023	2053	2059	2074
50.0	1914	1880	1918	1880	1914	1931	1949
52.5	1769	1738	1755	1738	1769	1802	1830
55.0	1617	1582	1578	1582	1617	1678	1719
57.5	1477	1440	1409	1440	1477	1560	1621
60.0	1343	1294	1245	1294	1343	1463	1514
62.5	1225	1156	1092	1156	1225	1363	1417
65.0	1119	1018	947	1018	1119	1275	1328
67.5	1020	887	810	887	1020	1184	1236
70.0	928	765	681	765	928	1094	1146
72.5	835	652	564	652	835	1005	1053
75.0	749	553	457	553	749	917	965
77.5	669	466	361	466	669	829	873
80.0	588	386	273	386	588	738	776

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82.5	511	317	195	317	511	649	682
85.0	439	258	130	258	439	568	596
87.5	375	207	84	207	375	495	518
90.0	320	166	60	166	320	427	453
92.5	280	140	54	140	280	378	400
95.0	252	119	50	119	252	341	361
97.5	225	99	46	99	225	306	324
100.0	199	81	42	81	199	272	287
102.5	175	65	37	65	175	240	256
105.0	152	51	32	51	152	215	229
107.5	131	37	27	37	131	190	206
110.0	111	23	22	23	111	168	184
112.5	91	13	17	13	91	148	163
115.0	74	9	14	9	74	128	143
117.5	56	7	11	7	56	110	125
120.0	41	4	8	4	41	92	108
122.5	27	3	5	3	27	76	91
125.0	14	2	4	2	14	61	76
127.5	3	1	2	1	3	47	61
130.0	1	1	1	1	1	32	47
132.5	1	1	1	1	1	18	32
135.0	2	2	2	2	2	5	18
137.5	2	2	2	2	2	2	7
140.0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1280.33	N.A.	12.40
0-30	2676.06	N.A.	25.90
0-40	4338.92	N.A.	41.90
0-60	7487.5	N.A.	72.30
0-80	9394.5	N.A.	90.80
0-90	9845.89	N.A.	95.10
10-90	9510.87	N.A.	91.90
20-40	3058.6	N.A.	29.60
20-50	4743.45	N.A.	45.80
40-70	4278.1	N.A.	41.30
60-80	1907.00	N.A.	18.40
70-80	777.48	N.A.	7.50
80-90	451.38	N.A.	4.40
90-110	398.92	N.A.	3.90
90-120	471.99	N.A.	4.60
90-130	499.20	N.A.	4.80
90-150	503.95	N.A.	4.90
90-180	503.95	N.A.	4.90
110-180	105.02	N.A.	1.00
0-180	10349.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	335.01
10-20	945.31
20-30	1395.74
30-40	1662.86
40-50	1684.86
50-60	1463.72
60-70	1129.52
70-80	777.48
80-90	451.38
90-100	252.48
100-110	146.44
110-120	73.07
120-130	27.21
130-140	4.74
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

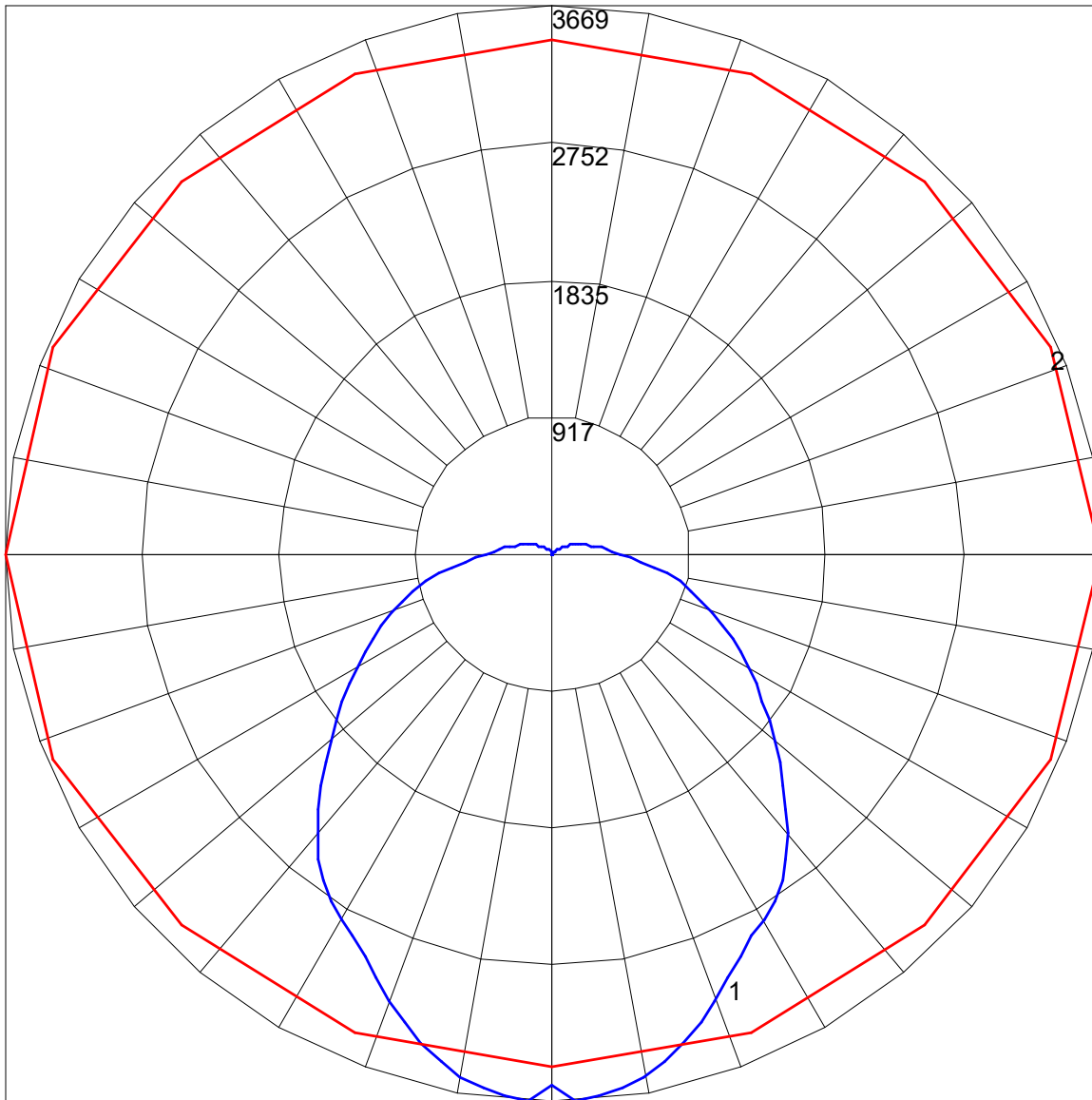
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	101	97	93	103	99	94	91	93	90	87	89	86	83	84	82	80	77
2	97	88	81	75	94	86	79	74	81	76	71	77	73	69	74	70	67	64
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	60	56	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46
5	74	61	52	46	72	60	51	45	57	50	44	55	48	43	52	47	42	40
6	69	55	46	40	66	54	46	39	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	43	38	33	31
8	59	46	37	31	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	26	50	38	31	25	37	30	25	36	29	25	34	29	24	23

POLAR GRAPH



Maximum Candela = 3669 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.)