



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-4-LED-06L-DA-S-35-80.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3606
 [TESTLAB] TUV SUD America
 [TESTDATE] 12/7/2018
 [ISSUEDATE] 07/22/2021
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] EG3-4-LED-06L-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	6506
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	48
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)	4.00 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	12585	9852	9398
55	11958	8149	7299
65	12194	6607	5007
75	13626	5548	2934
85	19562	4539	1101

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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	2238	2238	2238	2238	2238	2238	2238	2238	2238	2238
2.5	2306	2276	2213	2190	2167	2190	2213	2276	2306	2276
5.0	2290	2263	2201	2182	2162	2182	2201	2263	2290	2263
7.5	2270	2246	2187	2171	2151	2171	2187	2246	2270	2246
10.0	2236	2218	2168	2151	2133	2151	2168	2218	2236	2218
12.5	2188	2175	2138	2126	2110	2126	2138	2175	2188	2175
15.0	2132	2123	2100	2100	2086	2100	2100	2123	2132	2123
17.5	2074	2070	2054	2072	2058	2072	2054	2070	2074	2070
20.0	2008	2010	2004	2036	2026	2036	2004	2010	2008	2010
22.5	1937	1941	1949	1995	1990	1995	1949	1941	1937	1941
25.0	1870	1867	1889	1945	1948	1945	1889	1867	1870	1867
27.5	1819	1805	1820	1890	1900	1890	1820	1805	1819	1805
30.0	1781	1755	1750	1827	1847	1827	1750	1755	1781	1755
32.5	1740	1714	1686	1764	1789	1764	1686	1714	1740	1714
35.0	1687	1670	1627	1693	1724	1693	1627	1670	1687	1670
37.5	1620	1613	1567	1617	1652	1617	1567	1613	1620	1613
40.0	1543	1538	1509	1536	1573	1536	1509	1538	1543	1538
42.5	1460	1455	1444	1450	1489	1450	1444	1455	1460	1455
45.0	1379	1373	1371	1360	1399	1360	1371	1373	1379	1373
47.5	1303	1294	1291	1272	1304	1272	1291	1294	1303	1294
50.0	1225	1214	1203	1182	1206	1182	1203	1214	1225	1214
52.5	1151	1133	1112	1092	1104	1092	1112	1133	1151	1133
55.0	1081	1055	1016	995	992	995	1016	1055	1081	1055
57.5	1018	981	929	906	885	906	929	981	1018	981
60.0	952	919	844	813	782	813	844	919	952	919
62.5	891	857	770	727	687	727	770	857	891	857
65.0	835	802	703	640	595	640	703	802	835	802
67.5	776	744	641	558	508	558	641	744	776	744
70.0	720	688	583	480	429	480	583	688	720	688
72.5	663	632	525	410	355	410	525	632	663	632
75.0	606	576	471	348	288	348	471	576	606	576
77.5	549	522	420	293	226	293	420	522	549	522
80.0	489	464	369	242	172	242	369	464	489	464
82.5	429	408	322	199	122	199	322	408	429	408
85.0	374	357	276	162	82	162	276	357	374	357
87.5	326	311	236	130	52	130	236	311	326	311
90.0	285	268	201	105	38	105	201	268	285	268
92.5	252	238	176	88	34	88	176	238	252	238
95.0	226	215	158	75	31	75	158	215	226	215
97.5	203	192	142	62	28	62	142	192	203	192
100.0	180	171	125	51	26	51	125	171	180	171
102.5	160	151	110	41	23	41	110	151	160	151
105.0	144	135	95	32	20	32	95	135	144	135
107.5	129	120	83	23	17	23	83	120	129	120
110.0	116	106	70	15	14	15	70	106	116	106
112.5	102	92	57	8	11	8	57	92	102	92
115.0	90	81	47	5	9	5	47	81	90	81
117.5	79	69	36	4	7	4	36	69	79	69
120.0	68	58	25	3	5	3	25	58	68	58
122.5	57	48	17	2	3	2	17	48	57	48
125.0	48	39	9	1	2	1	9	39	48	39
127.5	39	29	2	0	1	0	2	29	39	29
130.0	29	20	0	0	1	0	0	20	29	20
132.5	20	12	1	1	1	1	1	12	20	12

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CANDELA TABULATION - (Cont.)

135.0	12	3	1	1	1	1	1	3	12	3
137.5	4	1	1	1	2	1	1	1	4	1
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	2238	2238	2238	2238	2238	2238	2238
2.5	2213	2190	2167	2190	2213	2276	2306
5.0	2201	2182	2162	2182	2201	2263	2290
7.5	2187	2171	2151	2171	2187	2246	2270
10.0	2168	2151	2133	2151	2168	2218	2236
12.5	2138	2126	2110	2126	2138	2175	2188
15.0	2100	2100	2086	2100	2100	2123	2132
17.5	2054	2072	2058	2072	2054	2070	2074
20.0	2004	2036	2026	2036	2004	2010	2008
22.5	1949	1995	1990	1995	1949	1941	1937
25.0	1889	1945	1948	1945	1889	1867	1870
27.5	1820	1890	1900	1890	1820	1805	1819
30.0	1750	1827	1847	1827	1750	1755	1781
32.5	1686	1764	1789	1764	1686	1714	1740
35.0	1627	1693	1724	1693	1627	1670	1687
37.5	1567	1617	1652	1617	1567	1613	1620
40.0	1509	1536	1573	1536	1509	1538	1543
42.5	1444	1450	1489	1450	1444	1455	1460
45.0	1371	1360	1399	1360	1371	1373	1379
47.5	1291	1272	1304	1272	1291	1294	1303
50.0	1203	1182	1206	1182	1203	1214	1225
52.5	1112	1092	1104	1092	1112	1133	1151
55.0	1016	995	992	995	1016	1055	1081
57.5	929	906	885	906	929	981	1018
60.0	844	813	782	813	844	919	952
62.5	770	727	687	727	770	857	891
65.0	703	640	595	640	703	802	835
67.5	641	558	508	558	641	744	776
70.0	583	480	429	480	583	688	720
72.5	525	410	355	410	525	632	663
75.0	471	348	288	348	471	576	606
77.5	420	293	226	293	420	522	549
80.0	369	242	172	242	369	464	489

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82.5	322	199	122	199	322	408	429
85.0	276	162	82	162	276	357	374
87.5	236	130	52	130	236	311	326
90.0	201	105	38	105	201	268	285
92.5	176	88	34	88	176	238	252
95.0	158	75	31	75	158	215	226
97.5	142	62	28	62	142	192	203
100.0	125	51	26	51	125	171	180
102.5	110	41	23	41	110	151	160
105.0	95	32	20	32	95	135	144
107.5	83	23	17	23	83	120	129
110.0	70	15	14	15	70	106	116
112.5	57	8	11	8	57	92	102
115.0	47	5	9	5	47	81	90
117.5	36	4	7	4	36	69	79
120.0	25	3	5	3	25	58	68
122.5	17	2	3	2	17	48	57
125.0	9	1	2	1	9	39	48
127.5	2	0	1	0	2	29	39
130.0	0	0	1	0	0	20	29
132.5	1	1	1	1	1	12	20
135.0	1	1	1	1	1	3	12
137.5	1	1	2	1	1	1	4
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	804.89	N.A.	12.40
0-30	1682.32	N.A.	25.90
0-40	2727.59	N.A.	41.90
0-60	4706.93	N.A.	72.30
0-80	5905.69	N.A.	90.80
0-90	6189.41	N.A.	95.10
10-90	5978.8	N.A.	91.90
20-40	1922.7	N.A.	29.60
20-50	2981.87	N.A.	45.80
40-70	2689.3	N.A.	41.30
60-80	1198.75	N.A.	18.40
70-80	488.80	N.A.	7.50
80-90	283.73	N.A.	4.40
90-110	250.74	N.A.	3.90
90-120	296.69	N.A.	4.60
90-130	313.74	N.A.	4.80
90-150	316.71	N.A.	4.90
90-180	316.71	N.A.	4.90
110-180	65.97	N.A.	1.00
0-180	6506.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.61
10-20	594.27
20-30	877.43
30-40	1045.27
40-50	1059.17
50-60	920.18
60-70	709.96
70-80	488.80
80-90	283.73
90-100	158.69
100-110	92.06
110-120	45.94
120-130	17.05
130-140	2.97
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

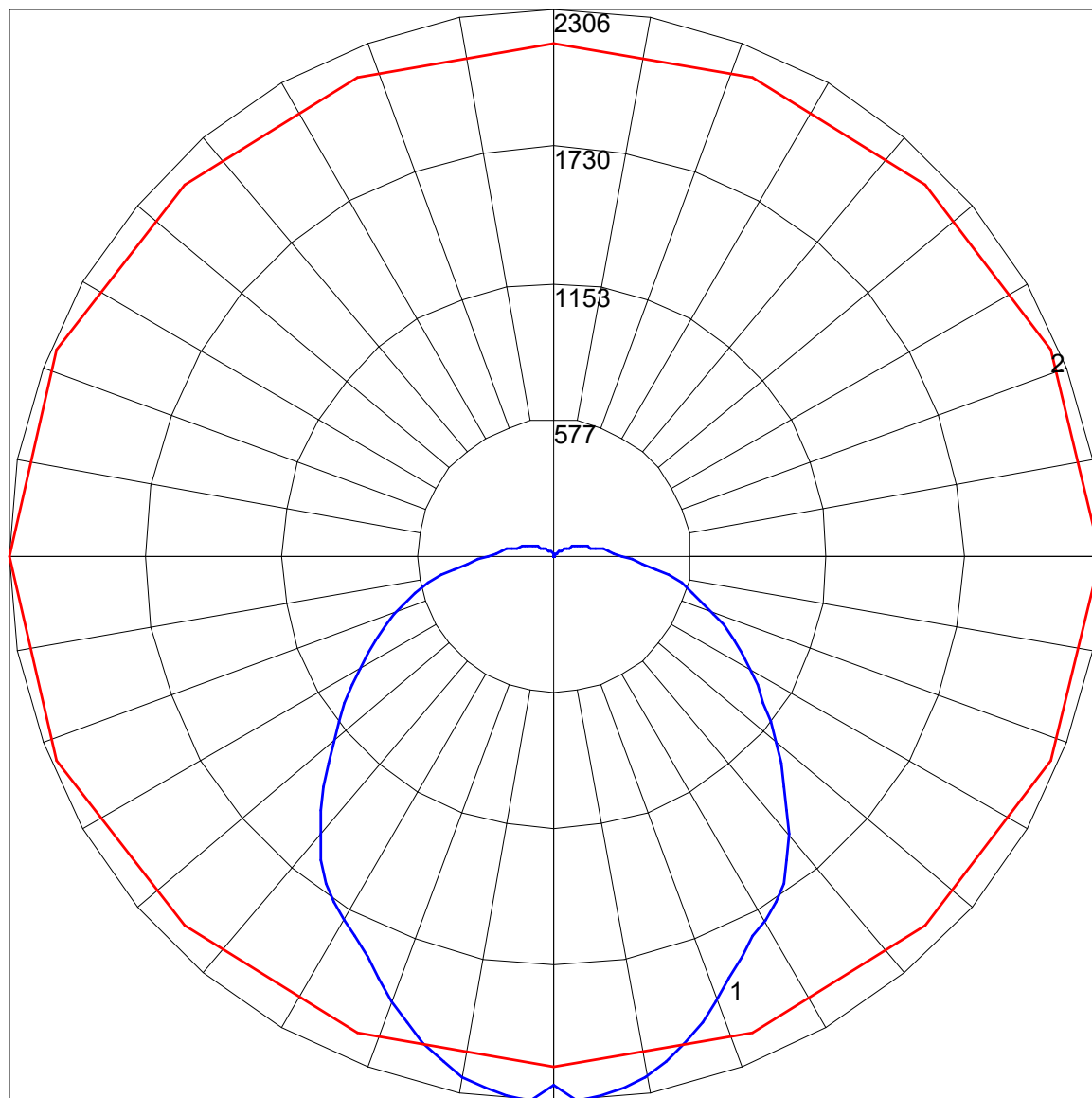
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	42	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 = 2306 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.)