



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EG3-2-LED-04L-DA-S-35-80.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3605
 [TESTLAB] TUV SUD America
 [TESTDATE] 12/7/2018 8:57:35 AM
 [ISSUEDATE] 07/22/2021
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] EG3-2-LED-04L-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] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4329
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	32
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 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	17185	12414	12091
55	17055	11212	9535
65	16768	9732	6816
75	15941	7608	4218
85	15117	5064	1745

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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	1467	1467	1467	1467	1467	1467	1467	1467	1467	1467
2.5	1469	1465	1466	1469	1464	1469	1466	1465	1469	1465
5.0	1466	1464	1464	1465	1459	1465	1464	1464	1466	1464
7.5	1458	1456	1458	1458	1451	1458	1458	1456	1458	1456
10.0	1445	1442	1445	1449	1438	1449	1445	1442	1445	1442
12.5	1426	1426	1429	1433	1423	1433	1429	1426	1426	1426
15.0	1407	1406	1408	1414	1404	1414	1408	1406	1407	1406
17.5	1378	1381	1384	1391	1382	1391	1384	1381	1378	1381
20.0	1340	1347	1358	1363	1356	1363	1358	1347	1340	1347
22.5	1293	1304	1325	1333	1326	1333	1325	1304	1293	1304
25.0	1245	1256	1287	1298	1292	1298	1287	1256	1245	1256
27.5	1198	1205	1241	1259	1255	1259	1241	1205	1198	1205
30.0	1152	1156	1189	1216	1214	1216	1189	1156	1152	1156
32.5	1113	1112	1135	1171	1171	1171	1135	1112	1113	1112
35.0	1081	1073	1082	1121	1126	1121	1082	1073	1081	1073
37.5	1053	1040	1031	1069	1075	1069	1031	1040	1053	1040
40.0	1030	1009	979	1013	1023	1013	979	1009	1030	1009
42.5	1007	979	929	949	962	949	929	979	1007	979
45.0	979	950	883	886	900	886	883	950	979	950
47.5	944	916	840	822	838	822	840	916	944	916
50.0	901	877	801	762	775	762	801	877	901	877
52.5	860	838	761	700	713	700	761	838	860	838
55.0	814	794	719	642	648	642	719	794	814	794
57.5	767	747	676	585	585	585	676	747	767	747
60.0	720	699	632	531	523	531	632	699	720	699
62.5	670	652	584	478	463	478	584	652	670	652
65.0	621	601	537	427	405	427	537	601	621	601
67.5	567	550	487	379	350	379	487	550	567	550
70.0	511	496	437	334	300	334	437	496	511	496
72.5	455	442	389	290	252	290	389	442	455	442
75.0	402	389	339	249	207	249	339	389	402	389
77.5	347	337	290	210	166	210	290	337	347	337
80.0	290	284	245	173	127	173	245	284	290	284
82.5	238	234	203	138	94	138	203	234	238	234
85.0	191	188	165	108	65	108	165	188	191	188
87.5	154	150	131	82	43	82	131	150	154	150
90.0	125	122	105	63	30	63	105	122	125	122
92.5	105	103	88	52	24	52	88	103	105	103
95.0	92	89	76	44	22	44	76	89	92	89
97.5	81	79	66	36	19	36	66	79	81	79
100.0	75	71	57	30	17	30	57	71	75	71
102.5	68	65	51	24	15	24	51	65	68	65
105.0	63	58	44	20	12	20	44	58	63	58
107.5	58	53	37	15	11	15	37	53	58	53
110.0	53	49	33	9	9	9	33	49	53	49
112.5	49	43	27	7	7	7	27	43	49	43
115.0	44	39	22	4	7	4	22	39	44	39
117.5	39	33	18	3	5	3	18	33	39	33
120.0	34	28	12	2	4	2	12	28	34	28
122.5	28	23	7	2	3	2	7	23	28	23
125.0	23	19	5	1	2	1	5	19	23	19
127.5	19	14	2	0	1	0	2	14	19	14
130.0	14	8	0	0	1	0	0	8	14	8
132.5	9	6	0	0	0	0	0	6	9	6

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CANDELA TABULATION - (Cont.)

135.0	6	3	0	0	0	0	0	3	6	3
137.5	3	1	0	0	0	0	0	1	3	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	1467	1467	1467	1467	1467	1467	1467
2.5	1466	1469	1464	1469	1466	1465	1469
5.0	1464	1465	1459	1465	1464	1464	1466
7.5	1458	1458	1451	1458	1458	1456	1458
10.0	1445	1449	1438	1449	1445	1442	1445
12.5	1429	1433	1423	1433	1429	1426	1426
15.0	1408	1414	1404	1414	1408	1406	1407
17.5	1384	1391	1382	1391	1384	1381	1378
20.0	1358	1363	1356	1363	1358	1347	1340
22.5	1325	1333	1326	1333	1325	1304	1293
25.0	1287	1298	1292	1298	1287	1256	1245
27.5	1241	1259	1255	1259	1241	1205	1198
30.0	1189	1216	1214	1216	1189	1156	1152
32.5	1135	1171	1171	1171	1135	1112	1113
35.0	1082	1121	1126	1121	1082	1073	1081
37.5	1031	1069	1075	1069	1031	1040	1053
40.0	979	1013	1023	1013	979	1009	1030
42.5	929	949	962	949	929	979	1007
45.0	883	886	900	886	883	950	979
47.5	840	822	838	822	840	916	944
50.0	801	762	775	762	801	877	901
52.5	761	700	713	700	761	838	860
55.0	719	642	648	642	719	794	814
57.5	676	585	585	585	676	747	767
60.0	632	531	523	531	632	699	720
62.5	584	478	463	478	584	652	670
65.0	537	427	405	427	537	601	621
67.5	487	379	350	379	487	550	567
70.0	437	334	300	334	437	496	511
72.5	389	290	252	290	389	442	455
75.0	339	249	207	249	339	389	402
77.5	290	210	166	210	290	337	347
80.0	245	173	127	173	245	284	290

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82.5	203	138	94	138	203	234	238
85.0	165	108	65	108	165	188	191
87.5	131	82	43	82	131	150	154
90.0	105	63	30	63	105	122	125
92.5	88	52	24	52	88	103	105
95.0	76	44	22	44	76	89	92
97.5	66	36	19	36	66	79	81
100.0	57	30	17	30	57	71	75
102.5	51	24	15	24	51	65	68
105.0	44	20	12	20	44	58	63
107.5	37	15	11	15	37	53	58
110.0	33	9	9	9	33	49	53
112.5	27	7	7	7	27	43	49
115.0	22	4	7	4	22	39	44
117.5	18	3	5	3	18	33	39
120.0	12	2	4	2	12	28	34
122.5	7	2	3	2	7	23	28
125.0	5	1	2	1	5	19	23
127.5	2	0	1	0	2	14	19
130.0	0	0	1	0	0	8	14
132.5	0	0	0	0	0	6	9
135.0	0	0	0	0	0	3	6
137.5	0	0	0	0	0	1	3
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	536.07	N.A.	12.40
0-30	1123.72	N.A.	26.00
0-40	1809.77	N.A.	41.80
0-60	3160.69	N.A.	73.00
0-80	4014.19	N.A.	92.70
0-90	4179.75	N.A.	96.50
10-90	4040.64	N.A.	93.30
20-40	1273.7	N.A.	29.40
20-50	1979.46	N.A.	45.70
40-70	1865.24	N.A.	43.10
60-80	853.50	N.A.	19.70
70-80	339.18	N.A.	7.80
80-90	165.56	N.A.	3.80
90-110	117.02	N.A.	2.70
90-120	139.64	N.A.	3.20
90-130	148.10	N.A.	3.40
90-150	149.44	N.A.	3.50
90-180	149.44	N.A.	3.50
110-180	32.41	N.A.	0.70
0-180	4329.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.11
10-20	396.96
20-30	587.65
30-40	686.05
40-50	705.76
50-60	645.16
60-70	514.32
70-80	339.18
80-90	165.56
90-100	74.40
100-110	42.63
110-120	22.61
120-130	8.46
130-140	1.34
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

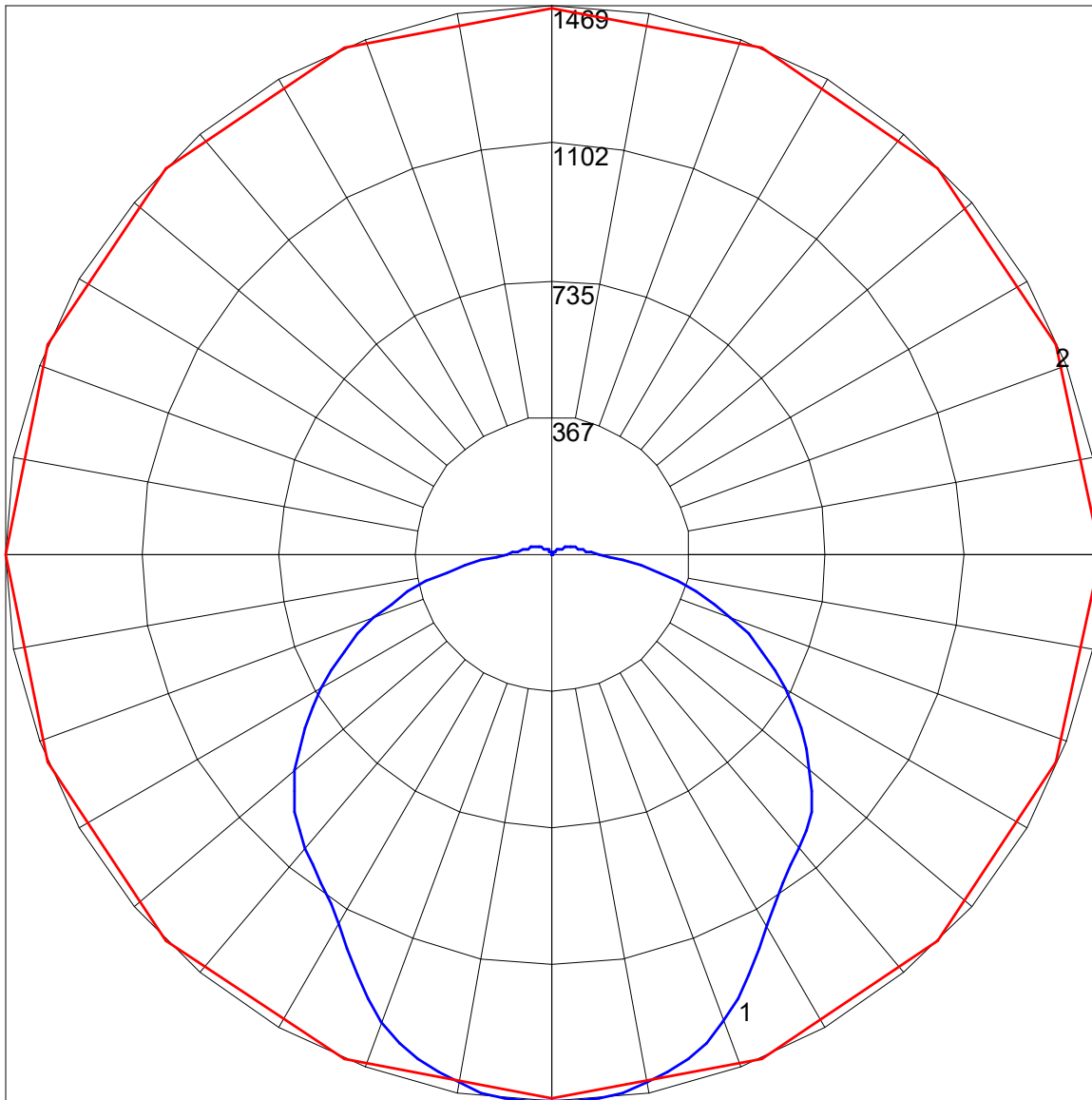
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	109	109	104	104	104	99	99	99	97
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	86	83	81	79
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	75	71	68	65
3	88	77	69	62	86	76	68	61	72	65	60	69	63	58	66	61	57	55
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	59	53	49	47
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	53	47	42	40
6	69	55	46	40	66	54	45	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	44	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	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 1469 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.)