

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6S-3050-00-UNVE10-35-LG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3669
 [ECN] 3734
 [TESTLAB] Tempo LLC
 [ISSUEDATE] 1/10/2019 11:17:31 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6S-3050-00-UNVE10-35-LG
 [LUMINAIRE] Light gray aluminum housing with lightly frosted lens
 [LAMP] Six (6) white LEDs (3500K) with 30 deg x 50 deg round optics
 [ELECTRICALS] 120.04 VAC, 0.08 A, 0.9931 PF, 11% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	9.82
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.50
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.64
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.07 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3342	4528	9062
55	2180	2571	4378
65	1559	1694	2712
75	1052	1104	1795
85	543	651	839

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59
2.5	1160.88	1159.22	1157.55	1156.86	1156.17	1156.29	1156.40	1157.40	1158.40	1159.20
5.0	1082.31	1082.24	1082.15	1084.48	1086.81	1091.25	1095.68	1101.15	1106.61	1112.66
7.5	967.83	969.60	971.35	977.27	983.19	992.84	1002.48	1014.25	1026.01	1039.48
10.0	836.91	840.31	843.71	852.22	860.73	875.38	890.02	908.03	926.05	947.11
12.5	705.36	709.54	713.70	724.43	735.16	752.57	769.98	792.67	815.36	842.47
15.0	583.54	587.93	592.32	603.55	614.77	633.51	652.24	677.41	702.57	733.17
17.5	475.69	480.37	485.05	495.81	506.57	524.78	542.98	568.10	593.22	625.13
20.0	383.99	388.01	392.03	402.54	413.03	429.69	446.34	469.75	493.15	523.19
22.5	306.04	309.73	313.42	322.87	332.32	347.24	362.16	383.40	404.64	431.60
25.0	243.24	246.62	249.99	257.72	265.45	278.26	291.06	309.07	327.07	350.25
27.5	192.28	195.04	197.78	204.41	211.03	221.70	232.36	247.56	262.74	281.22
30.0	151.85	154.09	156.33	161.68	167.02	175.58	184.13	196.28	208.43	223.18
32.5	120.04	121.68	123.32	127.63	131.92	138.66	145.40	154.87	164.35	175.75
35.0	95.14	96.57	97.99	101.34	104.69	109.87	115.04	122.25	129.45	137.94
37.5	76.39	77.38	78.37	80.89	83.41	87.31	91.20	96.56	101.92	108.04
40.0	62.16	62.88	63.59	65.34	67.07	69.92	72.76	76.63	80.50	84.97
42.5	51.33	51.90	52.46	53.75	55.03	56.96	58.87	61.58	64.29	67.46
45.0	43.51	43.93	44.34	45.19	46.03	47.34	48.65	50.49	52.31	54.51
47.5	37.59	37.93	38.25	38.82	39.39	40.27	41.15	42.37	43.58	45.03
50.0	33.22	33.40	33.58	34.02	34.45	35.07	35.68	36.45	37.20	38.04
52.5	29.57	29.77	29.97	30.27	30.56	30.98	31.40	31.83	32.25	32.79
55.0	26.66	26.84	27.02	27.20	27.37	27.62	27.86	28.06	28.26	28.51
57.5	24.07	24.15	24.23	24.42	24.61	24.72	24.83	24.87	24.90	24.90
60.0	21.69	21.74	21.78	21.85	21.91	21.99	22.07	22.04	22.00	21.83
62.5	19.49	19.48	19.46	19.45	19.43	19.46	19.49	19.40	19.32	19.03
65.0	17.25	17.23	17.20	17.20	17.18	17.14	17.09	16.96	16.84	16.61
67.5	15.29	15.21	15.12	15.16	15.19	15.09	14.99	14.80	14.61	14.38
70.0	13.38	13.36	13.33	13.24	13.16	13.07	12.98	12.83	12.67	12.40
72.5	11.72	11.68	11.64	11.50	11.35	11.23	11.10	11.01	10.92	10.69
75.0	10.06	10.01	9.96	9.83	9.70	9.52	9.34	9.28	9.23	9.08
77.5	8.56	8.48	8.41	8.30	8.20	8.07	7.94	7.84	7.73	7.63
80.0	6.96	6.93	6.89	6.81	6.72	6.65	6.59	6.57	6.55	6.37
82.5	5.51	5.50	5.48	5.42	5.35	5.34	5.33	5.34	5.35	5.22
85.0	4.22	4.20	4.18	4.15	4.11	4.14	4.17	4.19	4.21	4.16
87.5	3.22	3.21	3.20	3.17	3.13	3.21	3.28	3.33	3.38	3.38
90.0	2.32	2.31	2.29	2.27	2.24	2.31	2.37	2.38	2.39	2.38
100.0	1.23	1.19	1.13	1.13	1.13	1.15	1.16	1.16	1.16	1.10
110.0	0.76	0.76	0.76	0.76	0.76	0.76	0.75	0.74	0.72	0.69
120.0	0.53	0.53	0.53	0.55	0.56	0.54	0.51	0.51	0.50	0.50
130.0	0.40	0.38	0.35	0.35	0.35	0.39	0.43	0.40	0.37	0.37
140.0	0.27	0.26	0.25	0.25	0.25	0.25	0.26	0.27	0.27	0.28
150.0	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.29	0.29
160.0	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19
170.0	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0.0	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59	1176.59
2.5	1160.00	1161.20	1162.40	1163.38	1164.36	1165.22	1166.08	1166.64	1167.20
5.0	1118.70	1124.69	1130.66	1135.83	1140.99	1144.55	1148.10	1149.46	1150.82
7.5	1052.94	1066.23	1079.51	1090.98	1102.44	1109.70	1116.94	1120.11	1123.27

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10.0	968.16	989.41	1010.66	1028.99	1047.32	1059.68	1072.04	1076.86	1081.68
12.5	869.57	897.86	926.14	951.95	977.76	995.50	1013.25	1019.85	1026.45
15.0	763.77	797.74	831.72	863.11	894.50	917.32	940.14	948.71	957.27
17.5	657.04	693.58	730.11	765.30	800.49	826.60	852.71	862.40	872.09
20.0	553.22	589.54	625.87	662.06	698.25	725.83	753.40	763.58	773.75
22.5	458.56	491.59	524.62	558.94	593.25	620.47	647.69	658.01	668.32
25.0	373.42	401.81	430.21	460.77	491.33	516.64	541.94	551.39	560.84
27.5	299.68	323.17	346.65	372.43	398.22	420.03	441.84	450.55	459.26
30.0	237.94	256.56	275.17	295.77	316.37	335.00	353.61	360.68	367.75
32.5	187.15	201.34	215.52	231.61	247.70	262.94	278.17	284.03	289.89
35.0	146.43	157.00	167.58	179.55	191.52	203.46	215.39	220.14	224.89
37.5	114.16	122.06	129.95	138.70	147.44	156.64	165.83	169.56	173.28
40.0	89.44	95.08	100.71	107.35	113.99	120.82	127.64	130.51	133.37
42.5	70.62	74.69	78.75	83.45	88.13	93.25	98.36	100.57	102.77
45.0	56.71	59.49	62.27	65.63	69.00	72.70	76.41	78.17	79.92
47.5	46.47	48.33	50.18	52.47	54.76	57.37	59.98	61.24	62.50
50.0	38.87	40.09	41.32	42.69	44.06	45.90	47.72	48.58	49.43
52.5	33.34	33.86	34.39	35.24	36.08	37.27	38.46	39.09	39.71
55.0	28.75	28.93	29.09	29.55	30.01	30.69	31.37	31.80	32.23
57.5	24.88	24.86	24.83	25.03	25.23	25.52	25.80	26.11	26.41
60.0	21.65	21.52	21.39	21.35	21.31	21.41	21.51	21.69	21.86
62.5	18.74	18.57	18.39	18.22	18.05	18.03	18.01	18.16	18.30
65.0	16.37	16.05	15.72	15.55	15.37	15.26	15.15	15.28	15.41
67.5	14.14	13.79	13.44	13.21	12.99	12.88	12.77	12.72	12.66
70.0	12.13	11.83	11.53	11.27	11.00	10.81	10.62	10.60	10.57
72.5	10.45	10.12	9.79	9.45	9.11	8.94	8.76	8.67	8.58
75.0	8.93	8.59	8.25	7.91	7.57	7.35	7.12	7.00	6.87
77.5	7.53	7.23	6.93	6.61	6.29	6.01	5.73	5.57	5.41
80.0	6.19	5.95	5.69	5.31	4.93	4.65	4.36	4.12	3.87
82.5	5.09	4.87	4.65	4.25	3.84	3.45	3.05	2.86	2.66
85.0	4.11	3.89	3.66	3.33	2.99	2.50	1.99	1.78	1.56
87.5	3.38	3.15	2.92	2.59	2.26	1.82	1.37	1.21	1.05
90.0	2.38	2.24	2.10	1.80	1.50	1.19	0.86	0.82	0.77
100.0	1.05	0.91	0.77	0.72	0.67	0.65	0.63	0.68	0.73
110.0	0.65	0.62	0.58	0.56	0.54	0.59	0.64	0.70	0.76
120.0	0.49	0.48	0.47	0.51	0.55	0.60	0.63	0.65	0.67
130.0	0.37	0.43	0.49	0.54	0.58	0.61	0.63	0.66	0.69
140.0	0.29	0.31	0.33	0.37	0.41	0.42	0.43	0.45	0.46
150.0	0.28	0.29	0.29	0.31	0.32	0.32	0.32	0.33	0.34
160.0	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.19
170.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	308.36	N.A.	45.20
0-30	481.17	N.A.	70.50
0-40	576.20	N.A.	84.40
0-60	648.58	N.A.	95.00
0-80	674.32	N.A.	98.80
0-90	678.41	N.A.	99.40
10-90	577.25	N.A.	84.60
20-40	267.84	N.A.	39.20
20-50	313.96	N.A.	46.00
40-70	88.77	N.A.	13.00
60-80	25.74	N.A.	3.80
70-80	9.35	N.A.	1.40
80-90	4.09	N.A.	0.60
90-110	2.47	N.A.	0.40
90-120	3.08	N.A.	0.50
90-130	3.53	N.A.	0.50
90-150	4.02	N.A.	0.60
90-180	4.17	N.A.	0.60
110-180	1.70	N.A.	0.20
0-180	682.58	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.16
10-20	207.20
20-30	172.81
30-40	95.03
40-50	46.12
50-60	26.26
60-70	16.39
70-80	9.35
80-90	4.09
90-100	1.60
100-110	0.87
110-120	0.61
120-130	0.45
130-140	0.30
140-150	0.19
150-160	0.11
160-170	0.04
170-180	0.01

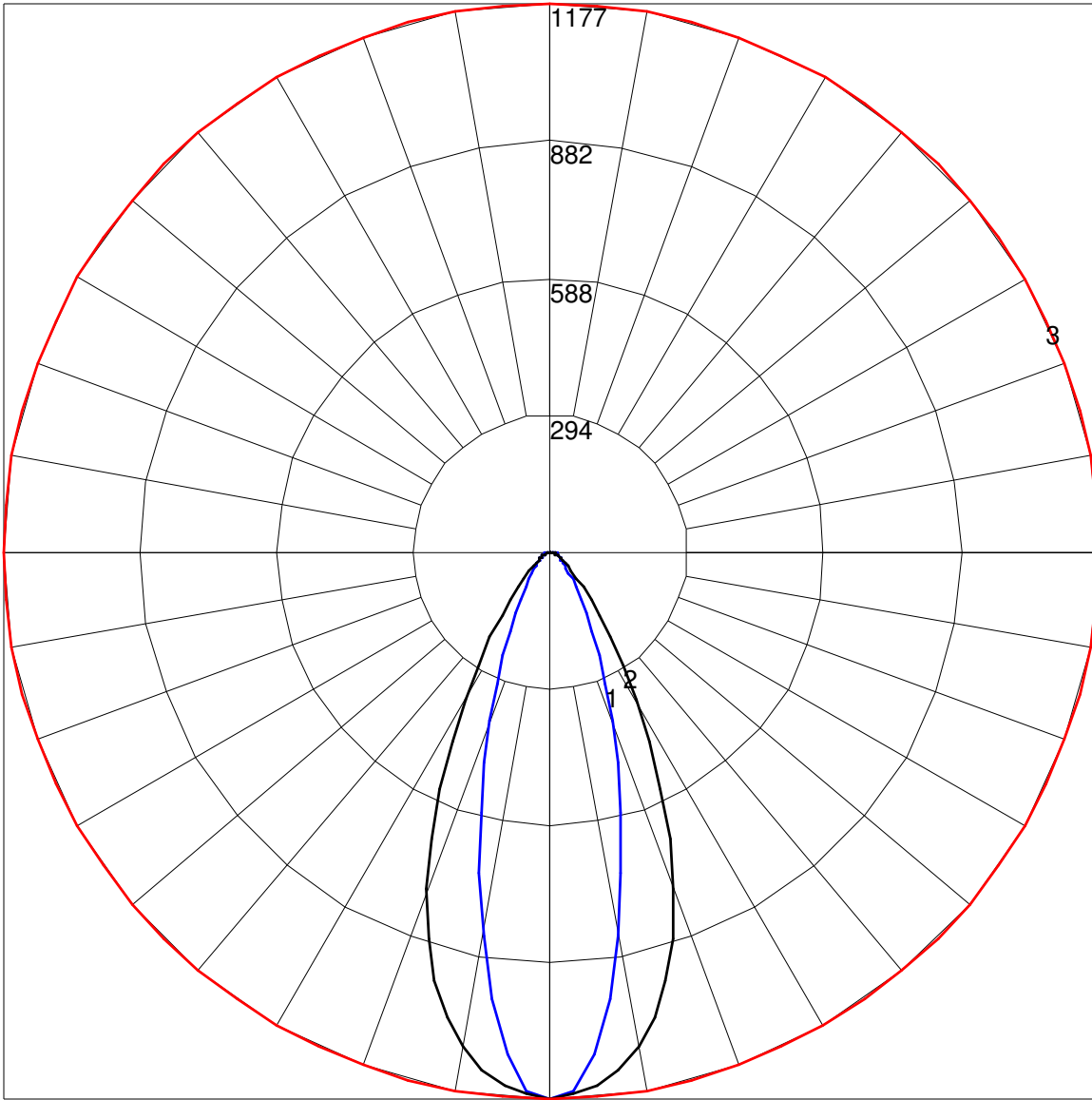
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	99
1	113	110	107	105	110	107	105	103	103	101	100	99	98	96	96	95	94	92
2	107	102	97	94	104	100	96	93	96	93	90	93	91	88	90	88	86	85
3	101	95	89	85	99	93	88	84	90	86	83	88	84	82	85	83	80	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	77	73	90	82	76	72	80	75	71	78	74	71	77	73	70	69
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	64
7	83	74	68	63	82	73	67	63	72	67	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	64	60	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

POLAR GRAPH



Maximum Candela = 1176.59 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)