

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6R-5030-00-UNVE10-35-LG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3670
 [ECN] 3734
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 1/10/2019 2:14:54 PM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6R-5030-00-UNVE10-35-LG
 [LUMINAIRE] Light gray aluminum housing with lightly frosted lens
 [LAMP] Six (6) white LEDs (3500K) with 50 deg x 30 deg round optics
 [ELECTRICALS] 120.05 VAC, 0.08 A, 0.9931 PF, 20% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	679
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	9.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.62
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	5533	4380	4952
55	2335	2500	3382
65	1329	1643	2605
75	765	1052	1928
85	412	607	1103

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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	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46
2.5	1201.90	1199.49	1197.07	1196.46	1195.85	1195.20	1194.55	1193.90	1193.24	1192.99
5.0	1183.38	1179.56	1175.74	1172.17	1168.59	1163.81	1159.03	1152.76	1146.49	1141.26
7.5	1153.81	1148.21	1142.60	1134.23	1125.85	1114.08	1102.29	1088.58	1074.87	1061.64
10.0	1111.75	1103.43	1095.10	1080.77	1066.43	1047.19	1027.93	1005.39	982.84	962.15
12.5	1055.75	1044.37	1032.98	1012.55	992.11	965.04	937.97	907.47	876.97	849.92
15.0	981.47	968.17	954.88	929.34	903.79	870.47	837.15	801.68	766.21	735.34
17.5	893.35	877.82	862.29	833.33	804.37	767.37	730.38	692.88	655.39	623.87
20.0	790.68	775.16	759.63	729.12	698.59	660.52	622.44	585.84	549.23	519.52
22.5	680.93	665.83	650.74	621.50	592.26	555.40	518.53	485.47	452.41	426.38
25.0	568.35	554.50	540.64	514.21	487.78	455.63	423.47	395.82	368.17	345.70
27.5	461.58	449.59	437.60	415.27	392.94	366.26	339.56	317.42	295.26	276.90
30.0	366.65	356.89	347.13	328.71	310.28	289.25	268.21	250.93	233.65	219.13
32.5	285.57	277.92	270.27	255.78	241.27	225.16	209.04	196.13	183.22	172.10
35.0	218.79	212.79	206.79	196.07	185.34	173.48	161.62	152.33	143.03	134.64
37.5	165.99	161.52	157.04	149.18	141.32	132.82	124.32	117.74	111.15	105.17
40.0	125.32	122.17	119.03	113.56	108.08	102.02	95.95	91.41	86.86	82.58
42.5	94.77	92.72	90.66	86.78	82.90	78.72	74.55	71.43	68.32	65.43
45.0	72.04	70.71	69.38	66.92	64.45	61.64	58.84	56.66	54.47	52.72
47.5	55.41	54.55	53.67	52.24	50.80	49.09	47.39	46.04	44.68	43.56
50.0	43.39	42.97	42.55	41.85	41.14	40.09	39.03	38.33	37.62	36.91
52.5	34.82	34.66	34.50	34.13	33.75	33.33	32.89	32.57	32.24	31.79
55.0	28.55	28.55	28.54	28.49	28.43	28.28	28.13	28.03	27.93	27.73
57.5	23.89	23.98	24.05	24.11	24.15	24.17	24.18	24.29	24.39	24.31
60.0	20.18	20.33	20.48	20.55	20.61	20.77	20.93	21.11	21.29	21.28
62.5	17.30	17.36	17.42	17.55	17.67	17.90	18.12	18.27	18.41	18.57
65.0	14.71	14.75	14.79	14.95	15.11	15.29	15.47	15.75	16.02	16.11
67.5	12.54	12.56	12.58	12.73	12.88	13.07	13.25	13.51	13.77	13.88
70.0	10.59	10.61	10.62	10.71	10.79	11.02	11.23	11.51	11.77	11.86
72.5	8.86	8.87	8.87	9.01	9.15	9.33	9.50	9.75	9.99	10.13
75.0	7.32	7.41	7.48	7.56	7.62	7.81	7.99	8.31	8.62	8.65
77.5	5.95	6.04	6.12	6.25	6.37	6.53	6.68	6.89	7.09	7.24
80.0	4.91	4.96	4.99	5.09	5.18	5.37	5.56	5.69	5.82	5.98
82.5	3.95	4.00	4.04	4.10	4.15	4.25	4.34	4.55	4.76	4.86
85.0	3.20	3.21	3.22	3.27	3.33	3.36	3.38	3.57	3.75	3.88
87.5	2.49	2.57	2.64	2.67	2.71	2.71	2.70	2.88	3.04	3.09
90.0	1.77	1.90	2.02	1.99	1.96	2.00	2.04	2.14	2.23	2.24
100.0	1.25	1.23	1.21	1.18	1.15	1.16	1.15	1.07	0.97	0.98
110.0	0.84	0.82	0.80	0.81	0.81	0.76	0.70	0.69	0.68	0.65
120.0	0.50	0.51	0.52	0.53	0.54	0.52	0.50	0.52	0.53	0.49
130.0	0.43	0.44	0.46	0.46	0.45	0.42	0.39	0.39	0.40	0.40
140.0	0.28	0.28	0.28	0.29	0.31	0.30	0.28	0.29	0.29	0.30
150.0	0.27	0.27	0.28	0.28	0.28	0.27	0.26	0.27	0.28	0.27
160.0	0.18	0.19	0.20	0.19	0.18	0.19	0.19	0.19	0.19	0.19
170.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	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. 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	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46	1212.46
2.5	1192.73	1192.98	1193.22	1193.95	1194.68	1194.38	1194.08	1194.99	1195.91
5.0	1136.02	1131.08	1126.13	1122.79	1119.44	1116.24	1113.03	1113.00	1112.97
7.5	1048.40	1036.30	1024.19	1015.60	1007.01	1001.07	995.13	993.76	992.39

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10.0	941.46	922.76	904.05	890.80	877.54	868.73	859.91	857.66	855.40
12.5	822.88	800.28	777.69	761.40	745.10	734.75	724.38	721.38	718.37
15.0	704.47	679.93	655.39	638.29	621.19	610.63	600.07	596.64	593.20
17.5	592.34	568.07	543.80	527.17	510.54	500.53	490.51	487.11	483.71
20.0	489.81	467.83	445.85	430.26	414.67	405.48	396.30	392.95	389.60
22.5	400.35	381.05	361.75	347.95	334.15	326.03	317.90	315.03	312.16
25.0	323.23	306.87	290.51	278.60	266.69	259.86	253.02	250.15	247.29
27.5	258.53	244.92	231.30	221.31	211.31	205.69	200.07	197.69	195.29
30.0	204.60	193.60	182.60	174.74	166.88	162.43	157.98	156.00	154.01
32.5	160.98	152.67	144.36	138.10	131.84	128.41	124.97	123.42	121.86
35.0	126.26	120.08	113.89	109.16	104.42	101.84	99.25	98.07	96.89
37.5	99.17	94.72	90.26	86.75	83.24	81.32	79.40	78.56	77.73
40.0	78.30	75.14	71.99	69.48	66.97	65.71	64.44	63.87	63.28
42.5	62.54	60.41	58.27	56.55	54.82	53.93	53.04	52.57	52.09
45.0	50.96	49.58	48.20	46.97	45.73	45.13	44.51	44.10	43.67
47.5	42.43	41.50	40.57	39.75	38.92	38.45	37.97	37.70	37.42
50.0	36.19	35.54	34.90	34.24	33.57	33.19	32.81	32.60	32.37
52.5	31.34	30.93	30.52	29.92	29.31	29.00	28.69	28.50	28.32
55.0	27.52	27.16	26.80	26.35	25.89	25.57	25.24	25.07	24.90
57.5	24.23	23.97	23.71	23.35	22.99	22.66	22.31	22.17	22.03
60.0	21.27	21.05	20.83	20.56	20.28	19.95	19.62	19.56	19.50
62.5	18.73	18.57	18.42	18.10	17.79	17.51	17.23	17.09	16.96
65.0	16.19	16.12	16.04	15.73	15.43	15.18	14.92	14.86	14.80
67.5	13.98	13.91	13.84	13.63	13.42	13.16	12.89	12.79	12.67
70.0	11.95	12.00	12.04	11.77	11.50	11.26	11.03	10.95	10.85
72.5	10.27	10.25	10.23	10.00	9.78	9.56	9.33	9.10	8.87
75.0	8.67	8.67	8.66	8.44	8.22	7.98	7.74	7.56	7.38
77.5	7.38	7.27	7.15	6.93	6.69	6.49	6.29	6.11	5.92
80.0	6.14	6.06	5.98	5.69	5.41	5.14	4.87	4.66	4.45
82.5	4.95	4.87	4.78	4.53	4.28	3.90	3.51	3.35	3.19
85.0	4.00	3.90	3.78	3.51	3.23	2.83	2.41	2.23	2.05
87.5	3.12	3.06	3.00	2.72	2.44	2.00	1.55	1.36	1.17
90.0	2.26	2.19	2.11	1.90	1.69	1.33	0.96	0.84	0.71
100.0	0.98	0.94	0.90	0.77	0.64	0.65	0.66	0.72	0.79
110.0	0.61	0.57	0.53	0.52	0.51	0.55	0.58	0.65	0.71
120.0	0.44	0.47	0.49	0.49	0.48	0.54	0.59	0.62	0.64
130.0	0.39	0.41	0.42	0.45	0.46	0.52	0.56	0.55	0.54
140.0	0.31	0.30	0.30	0.32	0.33	0.34	0.35	0.35	0.36
150.0	0.26	0.28	0.30	0.29	0.28	0.29	0.29	0.28	0.28
160.0	0.19	0.19	0.20	0.19	0.19	0.19	0.19	0.20	0.20
170.0	0.11	0.11	0.11	0.11	0.11	0.11	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	312.94	N.A.	46.10
0-30	485.19	N.A.	71.50
0-40	578.20	N.A.	85.10
0-60	647.22	N.A.	95.30
0-80	671.26	N.A.	98.90
0-90	675.01	N.A.	99.40
10-90	571.40	N.A.	84.10
20-40	265.27	N.A.	39.10
20-50	309.42	N.A.	45.60
40-70	84.46	N.A.	12.40
60-80	24.04	N.A.	3.50
70-80	8.59	N.A.	1.30
80-90	3.75	N.A.	0.60
90-110	2.39	N.A.	0.40
90-120	2.98	N.A.	0.40
90-130	3.41	N.A.	0.50
90-150	3.89	N.A.	0.60
90-180	4.05	N.A.	0.60
110-180	1.66	N.A.	0.20
0-180	679.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.61
10-20	209.33
20-30	172.25
30-40	93.01
40-50	44.15
50-60	24.87
60-70	15.45
70-80	8.59
80-90	3.75
90-100	1.53
100-110	0.86
110-120	0.59
120-130	0.43
130-140	0.29
140-150	0.18
150-160	0.11
160-170	0.04
170-180	0.01

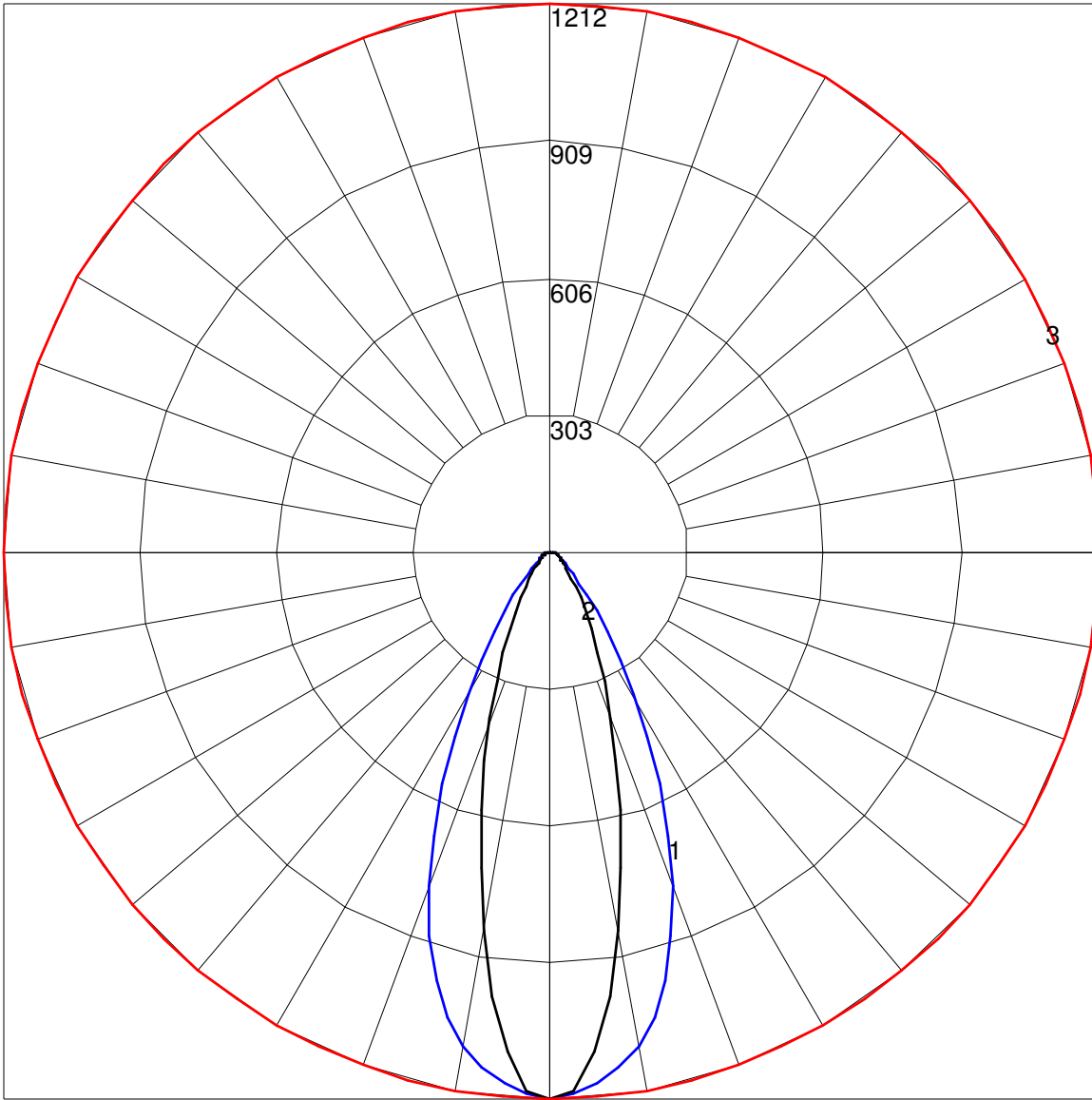
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	113	110	107	105	110	108	105	103	104	102	100	98	97	96	95	94	92	
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	102	95	90	86	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	97	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69
6	87	79	73	68	86	78	72	68	76	71	67	75	70	67	73	69	66	65
7	83	74	68	64	82	74	68	64	72	67	64	71	66	63	70	66	63	61
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	62	59	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

POLAR GRAPH



Maximum Candela = 1212.46 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.)