

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6R-5030-00-UNVE5-35-LG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3672
 [ECN] 3734
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 1/11/2019 9:30:38 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6R-5030-00-UNVE5-35-LG
 [LUMINAIRE] Light gray aluminum housing with lightly frosted lens
 [LAMP] Four (4) white LEDs (3500K) with 50 deg x 30 deg round optics
 [ELECTRICALS] 120.06 VAC, 0.04 A, 0.9889 PF, 12% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	328
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	4.68
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	2584	2042	2290
55	1037	1107	1493
65	540	688	1091
75	295	411	765
85	144	208	382

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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	598.32	598.32	598.32	598.32	598.32	598.32	598.32	598.32	598.32	598.32
2.5	590.76	590.11	589.44	589.25	589.05	588.84	588.63	588.61	588.59	588.83
5.0	582.02	580.70	579.38	577.74	576.10	573.68	571.25	568.51	565.77	563.26
7.5	566.06	563.83	561.59	557.82	554.05	548.56	543.08	536.60	530.12	524.23
10.0	543.64	540.80	537.95	530.91	523.86	514.80	505.73	495.54	485.33	475.97
12.5	515.64	510.82	506.00	496.57	487.13	474.45	461.77	447.63	433.48	420.76
15.0	478.04	472.42	466.79	454.74	442.69	427.15	411.60	395.40	379.20	364.73
17.5	434.41	427.92	421.43	407.68	393.94	376.55	359.16	341.67	324.18	309.38
20.0	384.56	377.47	370.37	356.28	342.18	324.20	306.22	289.04	271.84	257.53
22.5	329.77	323.03	316.28	302.54	288.78	271.98	255.17	239.58	223.98	211.41
25.0	274.84	268.70	262.54	250.33	238.11	223.12	208.13	194.85	181.56	170.87
27.5	222.54	217.28	212.01	201.60	191.19	179.02	166.84	156.23	145.61	136.85
30.0	176.26	172.05	167.82	159.48	151.14	141.27	131.38	123.11	114.82	107.83
32.5	137.00	133.60	130.19	123.58	116.96	109.48	101.98	95.67	89.36	84.02
35.0	104.36	101.72	99.06	94.11	89.14	83.66	78.16	73.71	69.25	65.27
37.5	78.93	76.90	74.86	71.28	67.70	63.70	59.69	56.51	53.32	50.46
40.0	59.13	57.78	56.43	53.83	51.21	48.42	45.62	43.40	41.16	39.21
42.5	44.45	43.46	42.47	40.72	38.96	37.04	35.11	33.59	32.06	30.77
45.0	33.64	32.96	32.27	31.13	29.98	28.70	27.42	26.41	25.40	24.58
47.5	25.58	25.17	24.76	24.03	23.29	22.54	21.79	21.25	20.71	20.16
50.0	19.73	19.56	19.39	19.01	18.63	18.19	17.75	17.44	17.13	16.77
52.5	15.64	15.57	15.50	15.30	15.09	14.92	14.74	14.60	14.46	14.29
55.0	12.68	12.62	12.55	12.51	12.45	12.42	12.37	12.38	12.38	12.28
57.5	10.50	10.44	10.38	10.38	10.38	10.44	10.49	10.54	10.59	10.57
60.0	8.64	8.65	8.65	8.67	8.69	8.78	8.86	8.97	9.07	9.12
62.5	7.19	7.21	7.23	7.28	7.32	7.43	7.52	7.66	7.80	7.87
65.0	5.98	6.01	6.05	6.11	6.16	6.29	6.41	6.53	6.65	6.75
67.5	4.95	5.00	5.04	5.11	5.18	5.30	5.42	5.53	5.63	5.72
70.0	4.19	4.19	4.19	4.26	4.32	4.44	4.56	4.66	4.76	4.85
72.5	3.46	3.48	3.49	3.53	3.56	3.68	3.80	3.91	4.01	4.10
75.0	2.82	2.85	2.86	2.91	2.95	3.05	3.14	3.23	3.31	3.38
77.5	2.23	2.26	2.28	2.33	2.37	2.46	2.55	2.64	2.73	2.78
80.0	1.75	1.79	1.82	1.87	1.92	1.97	2.01	2.09	2.18	2.22
82.5	1.44	1.42	1.39	1.45	1.51	1.53	1.55	1.61	1.68	1.76
85.0	1.12	1.11	1.10	1.14	1.18	1.19	1.19	1.23	1.27	1.33
87.5	0.89	0.89	0.90	0.91	0.91	0.93	0.95	1.00	1.05	1.07
90.0	0.70	0.68	0.66	0.70	0.73	0.73	0.72	0.73	0.74	0.74
100.0	0.41	0.41	0.41	0.42	0.43	0.41	0.40	0.39	0.38	0.35
110.0	0.26	0.26	0.26	0.26	0.26	0.25	0.24	0.24	0.24	0.22
120.0	0.18	0.19	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16
130.0	0.17	0.17	0.18	0.18	0.18	0.17	0.16	0.16	0.15	0.15
140.0	0.12	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12
150.0	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12
160.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08
170.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	598.32	598.32	598.32	598.32	598.32	598.32	598.32	598.32	598.32
2.5	589.06	589.20	589.35	589.64	589.92	590.08	590.24	590.63	591.02
5.0	560.73	558.45	556.17	554.86	553.54	552.36	551.18	551.25	551.32
7.5	518.34	512.75	507.16	503.46	499.74	496.83	493.91	493.37	492.83

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10.0	466.61	457.70	448.79	442.70	436.61	432.33	428.05	427.25	426.44
12.5	408.04	397.17	386.29	378.97	371.65	366.79	361.93	360.45	358.96
15.0	350.25	338.27	326.29	318.11	309.94	304.70	299.46	297.87	296.28
17.5	294.58	282.70	270.81	262.90	254.98	249.96	244.93	243.46	241.99
20.0	243.21	232.52	221.83	214.26	206.69	202.39	198.10	196.52	194.94
22.5	198.84	189.41	179.97	173.20	166.41	162.42	158.42	157.17	155.91
25.0	160.18	152.22	144.26	138.52	132.78	129.34	125.90	124.70	123.50
27.5	128.08	121.29	114.49	109.73	104.95	102.11	99.25	98.25	97.24
30.0	100.84	95.53	90.21	86.33	82.45	80.23	78.01	77.10	76.19
32.5	78.68	74.64	70.60	67.64	64.68	62.94	61.19	60.50	59.81
35.0	61.28	58.32	55.36	53.05	50.74	49.43	48.11	47.50	46.89
37.5	47.61	45.48	43.36	41.68	39.99	39.05	38.11	37.66	37.21
40.0	37.25	35.79	34.32	33.10	31.87	31.19	30.50	30.18	29.86
42.5	29.47	28.46	27.44	26.61	25.78	25.28	24.77	24.57	24.36
45.0	23.74	23.07	22.39	21.83	21.26	20.89	20.51	20.36	20.20
47.5	19.61	19.14	18.67	18.27	17.85	17.58	17.30	17.20	17.09
50.0	16.42	16.12	15.81	15.53	15.25	15.01	14.77	14.66	14.54
52.5	14.11	13.87	13.61	13.39	13.17	13.00	12.82	12.74	12.65
55.0	12.17	12.05	11.92	11.70	11.49	11.30	11.12	11.05	10.99
57.5	10.54	10.47	10.38	10.23	10.08	9.90	9.70	9.65	9.59
60.0	9.17	9.14	9.11	8.93	8.74	8.61	8.48	8.42	8.36
62.5	7.95	7.93	7.90	7.76	7.61	7.47	7.34	7.29	7.24
65.0	6.84	6.83	6.81	6.71	6.61	6.48	6.33	6.27	6.20
67.5	5.80	5.81	5.81	5.73	5.64	5.51	5.38	5.34	5.30
70.0	4.93	4.95	4.97	4.89	4.80	4.67	4.53	4.48	4.42
72.5	4.19	4.18	4.17	4.09	4.01	3.87	3.72	3.68	3.64
75.0	3.45	3.45	3.44	3.37	3.29	3.16	3.02	2.98	2.93
77.5	2.82	2.80	2.78	2.71	2.65	2.53	2.40	2.33	2.26
80.0	2.25	2.24	2.23	2.13	2.03	1.94	1.84	1.78	1.72
82.5	1.83	1.81	1.78	1.67	1.55	1.43	1.31	1.26	1.20
85.0	1.39	1.36	1.32	1.24	1.14	1.00	0.86	0.79	0.71
87.5	1.08	1.04	0.99	0.90	0.81	0.66	0.52	0.46	0.41
90.0	0.74	0.70	0.65	0.61	0.57	0.46	0.34	0.31	0.27
100.0	0.31	0.29	0.27	0.25	0.22	0.24	0.25	0.30	0.34
110.0	0.19	0.19	0.18	0.20	0.22	0.25	0.27	0.29	0.30
120.0	0.16	0.14	0.12	0.14	0.16	0.19	0.21	0.23	0.24
130.0	0.14	0.14	0.14	0.15	0.16	0.16	0.15	0.17	0.18
140.0	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.12	0.11
150.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13
160.0	0.08	0.08	0.09	0.09	0.08	0.08	0.09	0.08	0.08
170.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	154.54	N.A.	47.10
0-30	239.23	N.A.	72.80
0-40	284.21	N.A.	86.50
0-60	315.79	N.A.	96.20
0-80	325.63	N.A.	99.20
0-90	326.96	N.A.	99.60
10-90	275.81	N.A.	84.00
20-40	129.67	N.A.	39.50
20-50	150.24	N.A.	45.70
40-70	38.04	N.A.	11.60
60-80	9.84	N.A.	3.00
70-80	3.38	N.A.	1.00
80-90	1.33	N.A.	0.40
90-110	0.83	N.A.	0.30
90-120	1.04	N.A.	0.30
90-130	1.19	N.A.	0.40
90-150	1.38	N.A.	0.40
90-180	1.45	N.A.	0.40
110-180	0.62	N.A.	0.20
0-180	328.41	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.15
10-20	103.39
20-30	84.69
30-40	44.98
40-50	20.58
50-60	11.01
60-70	6.46
70-80	3.38
80-90	1.33
90-100	0.53
100-110	0.31
110-120	0.21
120-130	0.15
130-140	0.11
140-150	0.08
150-160	0.05
160-170	0.02
170-180	0.00

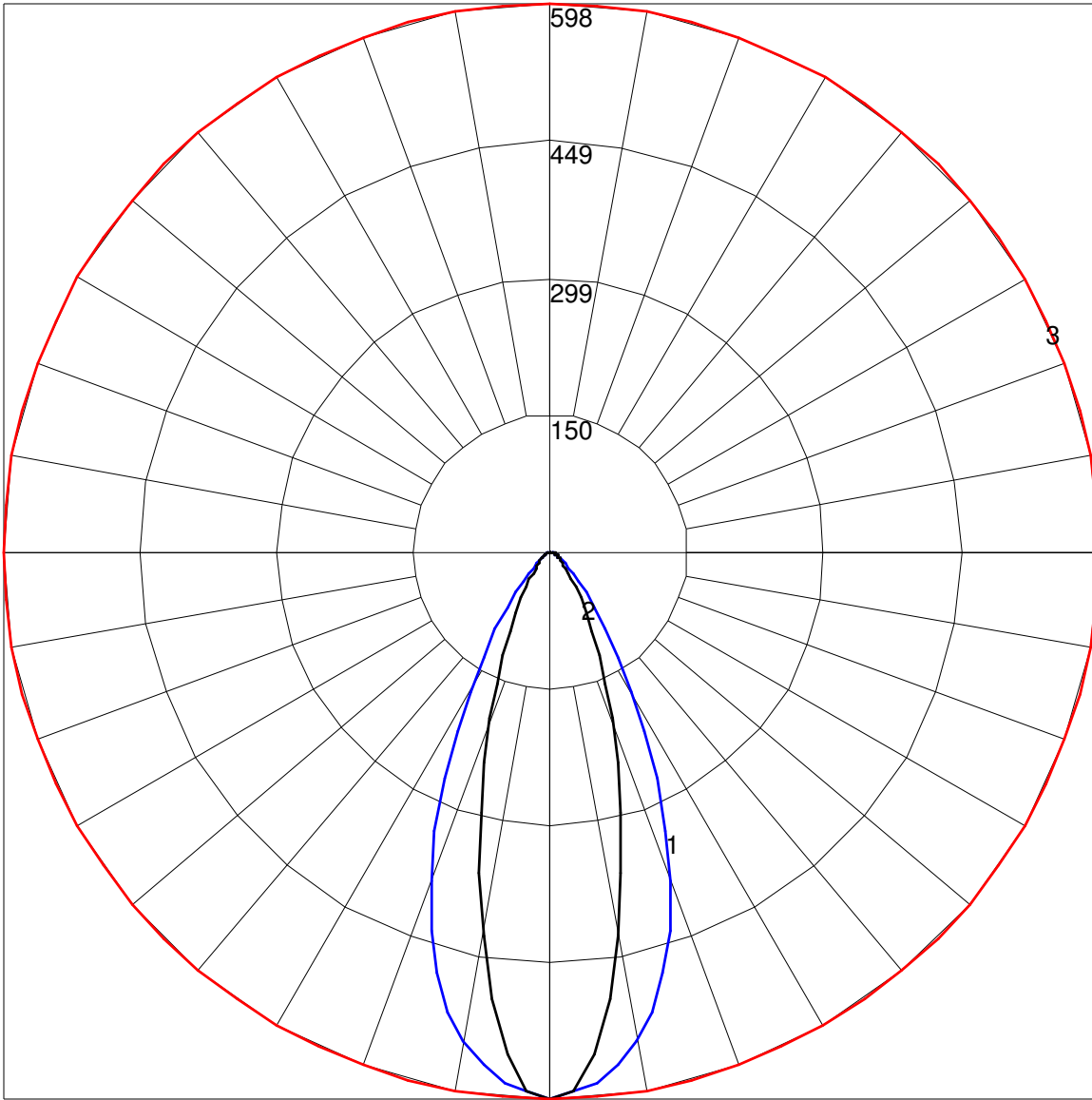
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	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	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93
2	108	103	98	95	105	101	97	94	97	94	92	94	92	90	92	89	88	86
3	102	96	91	87	100	94	90	86	91	88	84	89	86	83	87	84	82	80
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	70	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	71	65	61	70	65	61	68	64	61	67	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	65	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53

POLAR GRAPH



Maximum Candela = 598.32 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.)