

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6R-1060-00-UNVE5-35-LG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3673
 [ECN] 3734
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 1/11/2019 12:38:27 PM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6R-1060-00-UNVE5-35-LG
 [LUMINAIRE] Light gray aluminum housing with lightly frosted lens
 [LAMP] Four (4) white LEDs (3500K) with 10 deg x 60 deg round optics
 [ELECTRICALS] 120.06 VAC, 0.04 A, 0.9890 PF, 11% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	386
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	4.69
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.52
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	784	1418	7009
55	597	824	2408
65	427	499	1139
75	223	286	677
85	121	153	307

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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	886.16	886.16	886.16	886.16	886.16	886.16	886.16	886.16	886.16	886.16
2.5	861.05	860.09	859.11	858.72	858.33	858.72	859.10	860.11	861.12	862.50
5.0	756.88	757.93	758.98	762.15	765.31	771.43	777.54	785.67	793.80	802.94
7.5	617.39	620.42	623.45	631.32	639.18	651.84	664.50	681.14	697.77	716.91
10.0	473.58	477.93	482.28	492.76	503.23	521.94	540.63	564.85	589.06	619.50
12.5	344.05	349.50	354.95	366.83	378.71	399.87	421.01	451.07	481.11	519.27
15.0	244.65	249.00	253.34	264.88	276.42	296.95	317.49	348.67	379.86	422.43
17.5	169.79	173.57	177.34	187.32	197.30	215.86	234.41	263.11	291.80	334.36
20.0	116.93	119.87	122.81	130.97	139.12	154.22	169.32	194.54	219.75	258.05
22.5	80.86	83.04	85.22	91.41	97.60	109.47	121.33	141.64	161.94	194.92
25.0	56.55	58.19	59.82	64.34	68.85	77.72	86.59	102.41	118.23	144.71
27.5	40.78	41.90	43.02	46.21	49.40	55.79	62.18	74.04	85.89	106.40
30.0	30.53	31.25	31.98	34.16	36.35	40.89	45.42	54.08	62.74	77.98
32.5	23.76	24.25	24.73	26.22	27.71	30.85	33.98	40.15	46.31	57.51
35.0	18.97	19.31	19.64	20.74	21.83	24.03	26.23	30.61	34.99	43.04
37.5	15.67	15.96	16.25	17.05	17.84	19.36	20.88	23.97	27.06	32.86
40.0	13.52	13.64	13.76	14.39	15.01	16.11	17.20	19.42	21.64	25.79
42.5	11.62	11.81	11.99	12.48	12.96	13.85	14.73	16.28	17.84	20.71
45.0	10.21	10.48	10.75	11.09	11.43	12.11	12.77	13.91	15.05	17.07
47.5	9.37	9.53	9.68	9.99	10.29	10.83	11.37	12.19	13.02	14.36
50.0	8.44	8.60	8.77	9.08	9.39	9.79	10.18	10.75	11.33	12.28
52.5	7.85	7.97	8.10	8.34	8.57	8.83	9.09	9.52	9.95	10.59
55.0	7.30	7.34	7.36	7.51	7.66	7.92	8.19	8.46	8.72	9.14
57.5	6.67	6.72	6.77	6.87	6.96	7.10	7.22	7.45	7.66	7.92
60.0	5.98	6.03	6.07	6.14	6.20	6.26	6.32	6.44	6.56	6.75
62.5	5.50	5.42	5.34	5.37	5.41	5.46	5.50	5.56	5.62	5.73
65.0	4.72	4.68	4.64	4.65	4.65	4.68	4.69	4.75	4.80	4.89
67.5	3.96	3.95	3.93	3.92	3.90	3.92	3.93	3.98	4.02	4.10
70.0	3.22	3.26	3.30	3.26	3.20	3.23	3.26	3.30	3.34	3.40
72.5	2.60	2.67	2.72	2.67	2.61	2.65	2.69	2.76	2.82	2.86
75.0	2.13	2.12	2.11	2.15	2.18	2.16	2.13	2.21	2.28	2.35
77.5	1.76	1.73	1.69	1.70	1.71	1.74	1.76	1.79	1.80	1.86
80.0	1.44	1.39	1.33	1.35	1.36	1.36	1.35	1.40	1.45	1.49
82.5	1.08	1.08	1.08	1.09	1.11	1.13	1.15	1.18	1.21	1.24
85.0	0.94	0.91	0.88	0.91	0.94	0.96	0.98	0.97	0.96	0.98
87.5	0.79	0.77	0.74	0.78	0.82	0.81	0.80	0.80	0.79	0.84
90.0	0.65	0.63	0.60	0.61	0.62	0.62	0.62	0.63	0.64	0.64
100.0	0.41	0.43	0.45	0.44	0.44	0.45	0.45	0.44	0.42	0.41
110.0	0.34	0.32	0.31	0.32	0.32	0.31	0.31	0.31	0.31	0.29
120.0	0.22	0.24	0.26	0.25	0.24	0.24	0.24	0.22	0.20	0.23
130.0	0.16	0.15	0.14	0.16	0.18	0.17	0.15	0.15	0.16	0.16
140.0	0.11	0.12	0.13	0.13	0.13	0.14	0.15	0.15	0.14	0.15
150.0	0.11	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.13
160.0	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
170.0	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07
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	886.16	886.16	886.16	886.16	886.16	886.16	886.16	886.16	886.16
2.5	863.87	865.66	867.44	868.72	870.00	871.76	873.51	873.26	873.02
5.0	812.08	820.47	828.85	836.90	844.94	850.17	855.39	857.67	859.95
7.5	736.04	755.86	775.66	793.75	811.83	823.82	835.81	840.59	845.36

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10.0	649.93	682.08	714.22	743.84	773.45	795.32	817.18	824.50	831.81
12.5	557.43	600.55	643.67	686.39	729.10	761.15	793.20	805.41	817.62
15.0	464.99	516.79	568.59	622.03	675.45	718.04	760.63	776.70	792.76
17.5	376.91	432.26	487.61	548.42	609.22	659.74	710.27	730.84	751.40
20.0	296.34	351.12	405.89	469.34	532.78	588.49	644.18	667.17	690.15
22.5	227.89	277.46	327.01	388.85	450.67	507.28	563.89	587.33	610.77
25.0	171.19	213.62	256.04	311.84	367.64	421.43	475.22	499.20	523.17
27.5	126.91	161.21	195.51	243.57	291.64	340.56	389.47	411.24	433.01
30.0	93.22	119.77	146.32	186.01	225.70	267.52	309.34	328.78	348.22
32.5	68.71	88.58	108.45	139.57	170.68	205.64	240.59	256.35	272.10
35.0	51.09	65.75	80.41	103.71	127.01	154.64	182.26	195.48	208.70
37.5	38.65	49.17	59.70	76.75	93.79	114.77	135.74	146.36	156.97
40.0	29.95	37.41	44.86	57.04	69.22	84.81	100.40	108.28	116.15
42.5	23.57	28.83	34.09	42.59	51.09	62.22	73.34	79.19	85.03
45.0	19.09	22.70	26.29	32.17	38.04	45.76	53.48	57.65	61.81
47.5	15.70	18.16	20.61	24.54	28.47	33.72	38.97	41.81	44.65
50.0	13.22	14.81	16.39	18.96	21.52	25.00	28.47	30.46	32.45
52.5	11.23	12.27	13.31	14.95	16.58	18.84	21.09	22.42	23.75
55.0	9.55	10.20	10.86	11.90	12.94	14.42	15.90	16.82	17.73
57.5	8.16	8.59	9.02	9.71	10.39	11.37	12.34	12.79	13.24
60.0	6.93	7.21	7.47	7.91	8.33	8.98	9.63	9.95	10.26
62.5	5.84	6.07	6.29	6.54	6.79	7.19	7.58	7.91	8.23
65.0	4.97	5.08	5.20	5.41	5.61	5.90	6.17	6.32	6.47
67.5	4.18	4.23	4.27	4.46	4.65	4.79	4.92	5.05	5.16
70.0	3.45	3.52	3.58	3.70	3.80	3.93	4.05	4.09	4.12
72.5	2.89	2.94	2.98	3.01	3.04	3.11	3.18	3.17	3.17
75.0	2.41	2.42	2.43	2.44	2.46	2.45	2.44	2.52	2.59
77.5	1.91	1.94	1.97	1.95	1.92	1.90	1.88	1.89	1.90
80.0	1.53	1.58	1.62	1.57	1.51	1.46	1.40	1.40	1.40
82.5	1.26	1.26	1.26	1.21	1.15	1.06	0.96	0.95	0.93
85.0	1.01	1.00	1.00	0.95	0.90	0.78	0.66	0.62	0.57
87.5	0.87	0.85	0.83	0.75	0.66	0.58	0.50	0.46	0.41
90.0	0.64	0.61	0.58	0.54	0.49	0.42	0.35	0.34	0.33
100.0	0.39	0.38	0.38	0.35	0.32	0.33	0.34	0.38	0.41
110.0	0.26	0.27	0.27	0.28	0.29	0.29	0.29	0.34	0.38
120.0	0.25	0.24	0.22	0.23	0.24	0.25	0.26	0.30	0.33
130.0	0.15	0.16	0.17	0.17	0.17	0.19	0.20	0.21	0.21
140.0	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.20	0.19
150.0	0.13	0.13	0.14	0.14	0.15	0.14	0.14	0.14	0.14
160.0	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
170.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
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	200.99	N.A.	52.10
0-30	298.48	N.A.	77.30
0-40	345.98	N.A.	89.60
0-60	375.63	N.A.	97.30
0-80	383.32	N.A.	99.30
0-90	384.34	N.A.	99.60
10-90	312.97	N.A.	81.10
20-40	144.99	N.A.	37.60
20-50	165.03	N.A.	42.80
40-70	34.83	N.A.	9.00
60-80	7.68	N.A.	2.00
70-80	2.50	N.A.	0.60
80-90	1.03	N.A.	0.30
90-110	0.90	N.A.	0.20
90-120	1.17	N.A.	0.30
90-130	1.35	N.A.	0.30
90-150	1.57	N.A.	0.40
90-180	1.64	N.A.	0.40
110-180	0.74	N.A.	0.20
0-180	385.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	71.37
10-20	129.62
20-30	97.49
30-40	47.50
40-50	20.04
50-60	9.62
60-70	5.18
70-80	2.50
80-90	1.03
90-100	0.52
100-110	0.37
110-120	0.27
120-130	0.18
130-140	0.13
140-150	0.09
150-160	0.05
160-170	0.02
170-180	0.00

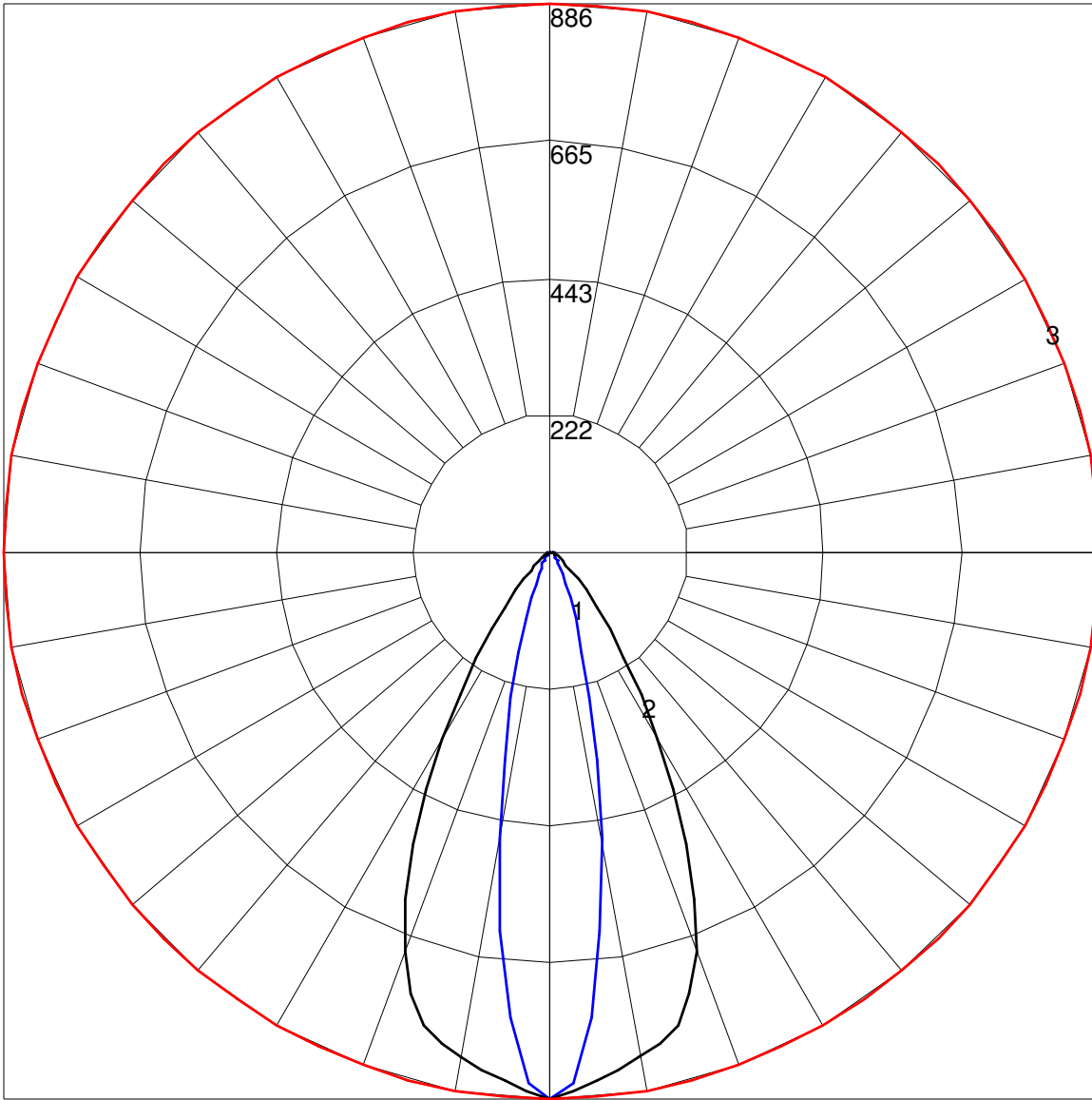
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	100	96	106	102	98	95	98	96	93	95	93	91	93	91	89	87
3	103	97	92	89	101	96	91	88	93	89	86	91	87	85	88	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	82	80	84	81	79	77
5	94	86	81	77	92	85	80	76	84	79	76	82	78	75	80	77	74	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	78	72	68	85	77	72	68	76	71	68	74	70	67	73	70	67	66
8	83	74	68	65	81	73	68	64	72	68	64	71	67	64	70	66	64	62
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	59	75	67	62	59	66	62	58	65	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 886.16 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.)