

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6R-3050-00-UNVE5-35-LG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3671
 [ECN] 3734
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 1/11/2019 7:02:54 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6R-3050-00-UNVE5-35-LG
 [LUMINAIRE] Light gray aluminum housing with lightly frosted lens
 [LAMP] Four (4) white LEDs (3500K) with 30 deg x 50 deg round optics
 [ELECTRICALS] 120.06 VAC, 0.04 A, 0.9889 PF, 14% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	330
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	4.68
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	1511	2063	4237
55	946	1130	1934
65	662	717	1144
75	429	439	713
85	186	224	317

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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	588.48	588.48	588.48	588.48	588.48	588.48	588.48	588.48	588.48	588.48
2.5	576.59	576.69	576.78	576.87	576.95	577.34	577.73	578.16	578.59	579.43
5.0	537.11	537.86	538.61	540.02	541.43	543.80	546.17	549.04	551.91	555.06
7.5	481.07	482.11	483.14	486.32	489.49	494.20	498.90	504.85	510.80	517.86
10.0	415.69	417.70	419.70	423.80	427.89	435.01	442.12	451.25	460.38	471.11
12.5	349.84	351.81	353.78	359.01	364.23	373.14	382.05	393.66	405.27	418.62
15.0	289.09	291.26	293.43	298.96	304.49	313.72	322.95	335.40	347.85	363.31
17.5	235.40	237.32	239.22	244.71	250.20	259.31	268.42	280.87	293.31	309.25
20.0	188.87	190.66	192.44	197.63	202.82	211.19	219.55	231.44	243.32	258.32
22.5	150.89	152.26	153.62	158.15	162.68	170.08	177.48	187.89	198.29	211.94
25.0	119.10	120.28	121.46	125.40	129.33	135.65	141.96	151.11	160.25	171.73
27.5	93.52	94.54	95.55	98.70	101.85	107.07	112.29	119.90	127.50	137.16
30.0	73.23	74.04	74.85	77.40	79.95	84.01	88.07	94.32	100.55	108.22
32.5	57.26	57.84	58.43	60.51	62.58	65.77	68.95	73.69	78.42	84.40
35.0	45.03	45.45	45.87	47.46	49.05	51.43	53.80	57.39	60.97	65.42
37.5	35.56	35.88	36.19	37.39	38.58	40.36	42.13	44.80	47.46	50.72
40.0	28.59	28.84	29.08	29.90	30.72	32.01	33.28	35.19	37.08	39.42
42.5	23.44	23.60	23.76	24.40	25.03	25.89	26.74	28.05	29.37	30.99
45.0	19.67	19.77	19.87	20.30	20.72	21.36	21.99	22.86	23.72	24.83
47.5	16.82	16.93	17.04	17.34	17.64	18.10	18.54	19.08	19.62	20.33
50.0	14.69	14.78	14.85	15.10	15.34	15.64	15.94	16.30	16.65	17.06
52.5	12.99	13.08	13.16	13.34	13.50	13.69	13.88	14.09	14.30	14.54
55.0	11.57	11.64	11.70	11.83	11.95	12.10	12.24	12.33	12.42	12.53
57.5	10.34	10.40	10.45	10.54	10.63	10.72	10.81	10.84	10.86	10.89
60.0	9.34	9.35	9.36	9.41	9.46	9.49	9.50	9.49	9.46	9.42
62.5	8.35	8.33	8.31	8.32	8.32	8.33	8.34	8.27	8.20	8.13
65.0	7.33	7.31	7.29	7.30	7.30	7.27	7.23	7.18	7.13	7.03
67.5	6.43	6.42	6.39	6.35	6.31	6.27	6.22	6.16	6.08	5.99
70.0	5.64	5.60	5.56	5.51	5.46	5.40	5.34	5.26	5.18	5.11
72.5	4.97	4.88	4.77	4.72	4.66	4.57	4.46	4.43	4.38	4.31
75.0	4.10	4.06	4.02	3.94	3.85	3.80	3.74	3.72	3.69	3.61
77.5	3.40	3.34	3.27	3.22	3.15	3.10	3.03	3.03	3.02	2.98
80.0	2.63	2.62	2.59	2.55	2.50	2.45	2.40	2.40	2.39	2.40
82.5	2.04	2.01	1.98	1.95	1.92	1.90	1.88	1.90	1.92	1.89
85.0	1.45	1.47	1.48	1.47	1.46	1.45	1.44	1.45	1.45	1.43
87.5	1.13	1.11	1.10	1.11	1.12	1.14	1.15	1.12	1.09	1.09
90.0	0.80	0.80	0.80	0.81	0.82	0.81	0.79	0.79	0.79	0.78
100.0	0.46	0.44	0.42	0.43	0.43	0.43	0.43	0.42	0.39	0.38
110.0	0.26	0.26	0.25	0.25	0.25	0.26	0.26	0.25	0.23	0.23
120.0	0.21	0.20	0.18	0.18	0.18	0.18	0.18	0.18	0.16	0.17
130.0	0.18	0.16	0.14	0.15	0.15	0.16	0.17	0.15	0.13	0.14
140.0	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.11	0.12
150.0	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12
160.0	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
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	588.48	588.48	588.48	588.48	588.48	588.48	588.48	588.48	588.48
2.5	580.28	581.19	582.10	582.73	583.37	583.53	583.69	583.95	584.21
5.0	558.20	561.37	564.54	567.37	570.19	572.18	574.16	574.87	575.57
7.5	524.92	531.38	537.85	543.58	549.31	553.41	557.50	559.28	561.05

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CANDELA TABULATION - (Cont.)

10.0	481.84	492.61	503.37	512.74	522.12	528.37	534.61	537.10	539.59
12.5	431.97	446.14	460.30	473.42	486.54	495.76	504.98	508.25	511.52
15.0	378.76	395.79	412.81	428.70	444.59	455.89	467.20	471.61	476.02
17.5	325.18	343.21	361.23	378.79	396.35	409.58	422.82	428.08	433.33
20.0	273.32	291.32	309.32	327.16	344.99	359.28	373.55	379.18	384.79
22.5	225.58	242.33	259.08	276.13	293.18	306.87	320.55	325.78	331.00
25.0	183.21	197.50	211.78	226.96	242.13	255.05	267.97	272.99	278.02
27.5	146.82	158.68	170.55	183.23	195.90	207.06	218.22	222.70	227.18
30.0	115.88	125.50	135.11	145.42	155.73	164.83	173.92	177.52	181.11
32.5	90.37	97.72	105.06	113.10	121.13	128.69	136.26	139.11	141.96
35.0	69.87	75.47	81.06	87.10	93.14	98.93	104.70	107.17	109.64
37.5	53.98	58.10	62.23	66.63	71.03	75.58	80.14	81.91	83.67
40.0	41.75	44.77	47.78	51.03	54.29	57.63	60.96	62.40	63.84
42.5	32.61	34.79	36.96	39.27	41.58	44.03	46.49	47.57	48.64
45.0	25.93	27.41	28.88	30.54	32.19	33.97	35.75	36.57	37.37
47.5	21.03	22.02	23.01	24.12	25.22	26.43	27.64	28.22	28.79
50.0	17.47	18.07	18.66	19.35	20.02	20.89	21.76	22.12	22.48
52.5	14.78	15.09	15.39	15.81	16.22	16.77	17.32	17.57	17.81
55.0	12.65	12.78	12.91	13.11	13.30	13.63	13.96	14.10	14.24
57.5	10.92	10.92	10.92	11.01	11.10	11.27	11.44	11.54	11.64
60.0	9.38	9.34	9.29	9.28	9.26	9.34	9.41	9.48	9.53
62.5	8.05	7.96	7.87	7.82	7.77	7.78	7.80	7.82	7.84
65.0	6.92	6.82	6.71	6.61	6.50	6.49	6.47	6.49	6.50
67.5	5.89	5.78	5.66	5.54	5.42	5.38	5.33	5.34	5.36
70.0	5.03	4.91	4.78	4.64	4.49	4.45	4.41	4.38	4.35
72.5	4.23	4.11	4.00	3.85	3.71	3.63	3.55	3.53	3.51
75.0	3.52	3.43	3.32	3.18	3.03	2.92	2.81	2.78	2.73
77.5	2.93	2.81	2.69	2.56	2.42	2.28	2.13	2.09	2.05
80.0	2.40	2.28	2.15	2.02	1.89	1.75	1.60	1.57	1.53
82.5	1.86	1.80	1.72	1.58	1.43	1.28	1.12	1.07	1.02
85.0	1.41	1.38	1.34	1.20	1.06	0.90	0.73	0.67	0.59
87.5	1.10	1.06	1.01	0.87	0.73	0.57	0.42	0.38	0.35
90.0	0.77	0.73	0.68	0.60	0.50	0.39	0.28	0.26	0.24
100.0	0.37	0.33	0.29	0.28	0.27	0.27	0.28	0.29	0.30
110.0	0.23	0.21	0.20	0.20	0.20	0.23	0.26	0.29	0.32
120.0	0.17	0.16	0.15	0.16	0.18	0.20	0.22	0.23	0.24
130.0	0.14	0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.18
140.0	0.12	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15
150.0	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14
160.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
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	153.19	N.A.	46.40
0-30	238.07	N.A.	72.10
0-40	283.65	N.A.	85.90
0-60	316.48	N.A.	95.90
0-80	327.17	N.A.	99.10
0-90	328.63	N.A.	99.50
10-90	278.20	N.A.	84.30
20-40	130.47	N.A.	39.50
20-50	151.70	N.A.	46.00
40-70	39.79	N.A.	12.10
60-80	10.69	N.A.	3.20
70-80	3.73	N.A.	1.10
80-90	1.46	N.A.	0.40
90-110	0.88	N.A.	0.30
90-120	1.09	N.A.	0.30
90-130	1.24	N.A.	0.40
90-150	1.43	N.A.	0.40
90-180	1.50	N.A.	0.50
110-180	0.62	N.A.	0.20
0-180	330.14	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.43
10-20	102.75
20-30	84.88
30-40	45.58
40-50	21.23
50-60	11.59
60-70	6.96
70-80	3.73
80-90	1.46
90-100	0.56
100-110	0.32
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

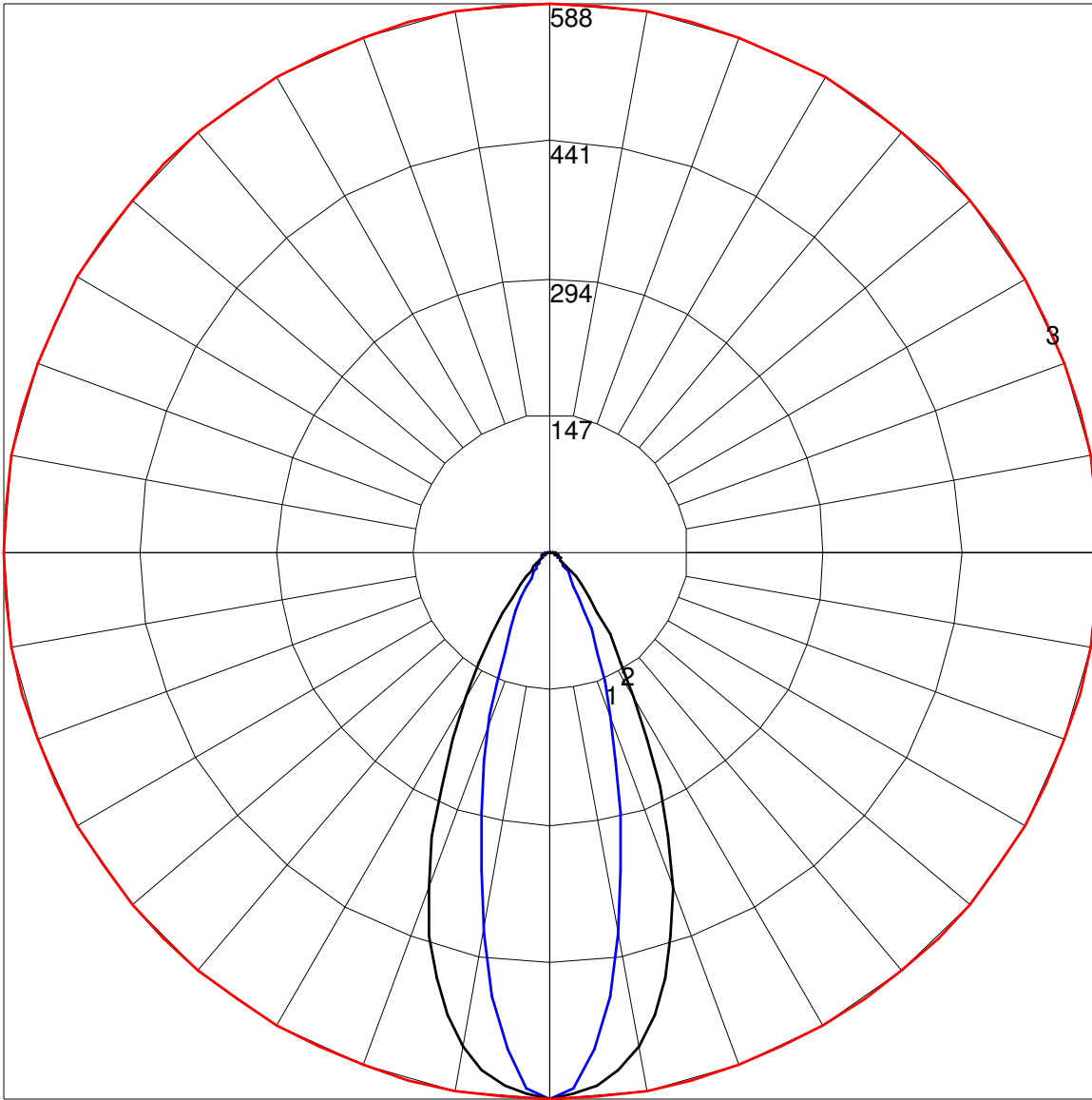
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	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	113	110	108	105	111	108	106	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	94	105	100	97	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	84	78	74	90	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	67	74	70	67	66
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	58
9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

POLAR GRAPH



Maximum Candela = 588.48 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.)