

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-3050-00-UNVE5-35-LG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3542
 [ECN] 3644
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 7/30/2018 8:57:47 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6RX-3050-00-UNVE5-35-LG
 [LUMINAIRE] Natural anodized aluminum housing with clear glass 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, 12% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	359
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	5.18
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	0.96 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2461	2874	4083
55	1934	1990	1915
65	1572	1477	1315
75	607	566	503
85	93	93	103

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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	732.67	732.67	732.67	732.67	732.67	732.67	732.67	732.67	732.67	732.67
2.5	712.13	711.79	711.44	711.56	711.68	712.28	712.89	713.89	714.88	716.73
5.0	645.76	647.09	648.42	650.58	652.74	656.70	660.66	665.82	670.97	677.67
7.5	561.36	563.27	565.18	570.05	574.91	582.54	590.16	599.94	609.70	621.43
10.0	468.41	471.34	474.27	480.91	487.54	498.87	510.19	524.32	538.44	555.85
12.5	383.77	386.49	389.21	396.60	403.98	416.27	428.56	445.27	461.97	483.83
15.0	311.24	314.12	316.99	324.08	331.16	342.90	354.63	371.09	387.55	410.90
17.5	248.86	251.73	254.61	261.46	268.30	279.32	290.34	305.60	320.86	342.67
20.0	195.95	198.58	201.20	207.73	214.26	224.35	234.45	248.16	261.87	280.89
22.5	152.70	154.83	156.96	162.64	168.32	177.49	186.65	199.02	211.38	227.35
25.0	118.86	120.52	122.18	126.74	131.30	138.63	145.95	156.81	167.65	181.34
27.5	92.45	93.76	95.06	98.75	102.44	108.09	113.73	122.29	130.86	142.31
30.0	72.05	73.11	74.16	77.01	79.86	84.32	88.78	95.09	101.41	110.29
32.5	56.06	56.90	57.74	60.06	62.38	65.66	68.94	73.75	78.55	84.87
35.0	44.10	44.61	45.13	46.83	48.54	51.08	53.62	57.11	60.59	64.98
37.5	34.78	35.15	35.52	36.66	37.80	39.60	41.38	43.89	46.38	49.31
40.0	27.90	28.14	28.37	29.05	29.73	30.90	32.05	33.69	35.33	37.27
42.5	22.90	23.01	23.11	23.55	23.99	24.65	25.29	26.35	27.40	28.52
45.0	19.38	19.44	19.50	19.75	20.01	20.38	20.75	21.36	21.97	22.63
47.5	16.91	16.94	16.97	17.17	17.35	17.59	17.82	18.13	18.44	18.84
50.0	14.99	15.05	15.11	15.31	15.50	15.57	15.64	15.83	16.02	16.25
52.5	13.54	13.58	13.61	13.79	13.98	14.04	14.11	14.20	14.29	14.34
55.0	12.35	12.35	12.35	12.48	12.61	12.68	12.74	12.74	12.74	12.71
57.5	11.21	11.20	11.19	11.29	11.38	11.41	11.43	11.34	11.24	11.18
60.0	10.08	10.01	9.93	10.03	10.13	10.10	10.07	9.97	9.86	9.77
62.5	8.75	8.68	8.62	8.69	8.75	8.73	8.71	8.60	8.50	8.35
65.0	7.40	7.39	7.37	7.40	7.43	7.40	7.37	7.23	7.08	6.95
67.5	5.62	5.57	5.52	5.54	5.55	5.53	5.50	5.37	5.23	5.14
70.0	3.99	4.01	4.03	4.03	4.03	3.97	3.90	3.81	3.71	3.66
72.5	2.68	2.74	2.80	2.78	2.77	2.69	2.62	2.60	2.58	2.55
75.0	1.75	1.78	1.81	1.78	1.75	1.73	1.72	1.69	1.66	1.63
77.5	1.10	1.09	1.08	1.06	1.03	1.03	1.03	1.01	1.00	0.99
80.0	0.58	0.57	0.55	0.53	0.51	0.51	0.52	0.51	0.51	0.53
82.5	0.25	0.25	0.25	0.23	0.21	0.22	0.22	0.23	0.24	0.23
85.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
87.5	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
90.0	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	732.67	732.67	732.67	732.67	732.67	732.67	732.67	732.67	732.67
2.5	718.57	720.70	722.82	724.35	725.87	726.94	728.02	728.30	728.59
5.0	684.37	690.77	697.16	702.71	708.27	711.63	714.98	716.18	717.37
7.5	633.15	645.56	657.98	669.40	680.81	688.02	695.22	698.05	700.88
10.0	573.25	591.18	609.10	626.56	644.02	656.89	669.76	674.71	679.65
12.5	505.67	529.20	552.72	575.01	597.29	615.73	634.17	641.68	649.18
15.0	434.25	461.65	489.05	515.26	541.47	564.25	587.03	596.58	606.12
17.5	364.48	393.06	421.63	450.72	479.81	504.68	529.54	541.03	552.51
20.0	299.90	326.71	353.51	383.24	412.96	437.43	461.89	473.83	485.77
22.5	243.31	265.96	288.59	316.38	344.17	366.57	388.96	400.07	411.17
25.0	195.03	212.65	230.25	253.69	277.13	296.43	315.74	325.32	334.89
27.5	153.76	167.23	180.69	199.05	217.41	232.74	248.06	255.50	262.93
30.0	119.16	129.29	139.41	153.01	166.60	178.74	190.88	196.18	201.47

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32.5	91.20	98.81	106.42	115.75	125.08	134.29	143.49	147.16	150.82
35.0	69.36	74.88	80.39	86.67	92.95	99.71	106.47	108.80	111.13
37.5	52.23	56.21	60.18	64.39	68.61	73.51	78.41	79.84	81.26
40.0	39.20	41.90	44.60	47.62	50.65	54.08	57.52	58.48	59.44
42.5	29.64	31.49	33.33	35.51	37.69	39.99	42.30	42.89	43.49
45.0	23.30	24.37	25.44	26.90	28.35	29.86	31.36	31.76	32.15
47.5	19.24	19.76	20.28	21.09	21.89	22.72	23.54	23.75	23.97
50.0	16.48	16.61	16.74	17.14	17.54	17.85	18.16	18.22	18.29
52.5	14.39	14.38	14.37	14.43	14.49	14.55	14.60	14.66	14.72
55.0	12.67	12.53	12.38	12.31	12.23	12.23	12.23	12.24	12.23
57.5	11.12	10.93	10.73	10.60	10.46	10.40	10.34	10.31	10.27
60.0	9.68	9.49	9.30	9.15	9.00	8.85	8.69	8.65	8.60
62.5	8.19	8.04	7.88	7.70	7.52	7.45	7.38	7.38	7.38
65.0	6.80	6.66	6.51	6.41	6.31	6.28	6.24	6.21	6.19
67.5	5.04	4.90	4.75	4.71	4.66	4.63	4.61	4.61	4.61
70.0	3.60	3.51	3.41	3.37	3.32	3.32	3.32	3.33	3.34
72.5	2.51	2.45	2.38	2.32	2.26	2.25	2.25	2.25	2.26
75.0	1.60	1.57	1.55	1.52	1.49	1.47	1.44	1.45	1.45
77.5	0.99	0.95	0.90	0.90	0.90	0.89	0.89	0.88	0.88
80.0	0.54	0.52	0.50	0.50	0.50	0.49	0.49	0.49	0.50
82.5	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.26
85.0	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10
87.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
90.0	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	180.75	N.A.	50.30
0-30	273.87	N.A.	76.20
0-40	319.64	N.A.	89.00
0-60	350.55	N.A.	97.60
0-80	359.05	N.A.	100.00
0-90	359.22	N.A.	100.00
10-90	298.02	N.A.	83.00
20-40	138.89	N.A.	38.70
20-50	158.50	N.A.	44.10
40-70	37.52	N.A.	10.40
60-80	8.50	N.A.	2.40
70-80	1.89	N.A.	0.50
80-90	0.17	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	359.22	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	61.20
10-20	119.54
20-30	93.13
30-40	45.77
40-50	19.61
50-60	11.30
60-70	6.61
70-80	1.89
80-90	0.17
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

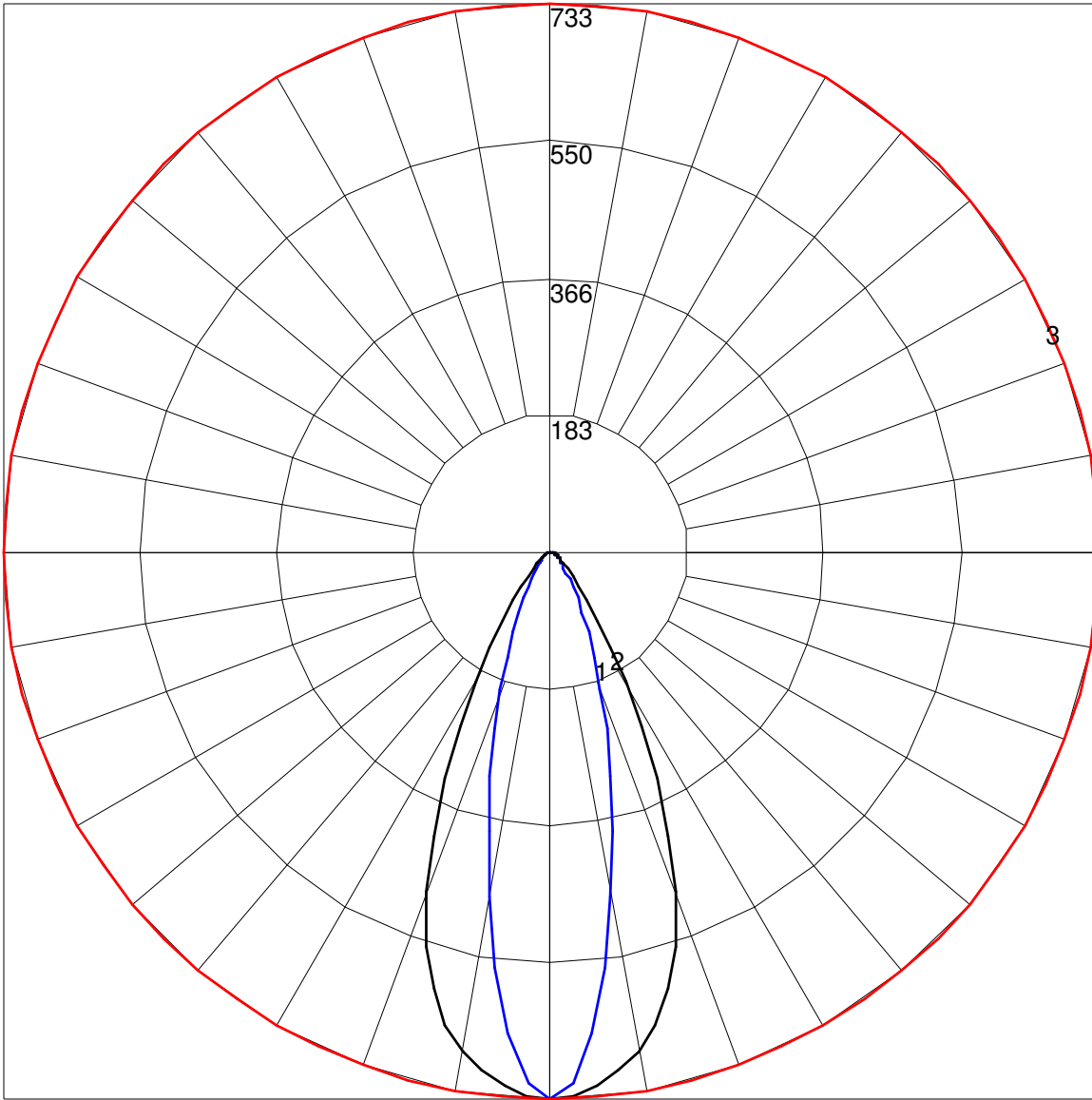
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	0
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	97	96	94	94	0
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87	0
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	0
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77	0
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72	0
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68	0
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65	0
8	82	73	67	64	81	72	67	63	71	67	63	70	66	63	69	66	63	61	0
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58	0
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56	0

POLAR GRAPH



Maximum Candela = 732.67 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.)