

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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 3674  
 [ECN] 3734  
 [TESTLAB] Tempo LLC  
 [ISSUE DATE] 1/11/2019 3:08:52 PM  
 [MANUFAC] Tempo LLC  
 [LUMCAT] C6RX-3050-00-UNVE5-35-LG  
 [LUMINAIRE] Natural anodized aluminum housing with clear glass step lens  
 [LAMP] Four (4) white LEDs (3500K) with 50 deg x 30 deg round optics  
 [ELECTRICALS] 120.06 VAC, 0.04 A, 0.9888 PF, 12% ATHD

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	362
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	5.23
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	2531	2984	4122
55	1943	2009	1926
65	1551	1426	1252
75	951	847	711
85	289	289	319

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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>
<b>0.0</b>	733.86	733.86	733.86	733.86	733.86	733.86	733.86	733.86	733.86	733.86
<b>2.5</b>	714.40	713.61	712.81	712.66	712.51	713.22	713.94	714.99	716.04	717.66
<b>5.0</b>	647.44	647.73	648.03	649.96	651.88	655.73	659.57	664.59	669.60	675.69
<b>7.5</b>	560.73	562.30	563.86	568.41	572.96	580.59	588.22	597.80	607.37	618.90
<b>10.0</b>	469.83	472.30	474.76	480.86	486.96	497.58	508.20	522.26	536.31	553.07
<b>12.5</b>	386.53	389.20	391.87	398.71	405.54	417.46	429.38	445.39	461.39	482.01
<b>15.0</b>	313.99	316.74	319.49	326.32	333.14	345.01	356.87	373.13	389.39	411.28
<b>17.5</b>	252.62	255.29	257.97	264.58	271.18	282.03	292.86	308.05	323.24	344.30
<b>20.0</b>	199.89	202.41	204.93	211.23	217.52	227.55	237.57	251.25	264.92	283.42
<b>22.5</b>	156.88	159.16	161.43	166.74	172.05	180.57	189.09	201.67	214.25	230.12
<b>25.0</b>	122.44	124.40	126.35	130.83	135.31	142.53	149.73	160.29	170.83	183.97
<b>27.5</b>	95.72	97.25	98.77	102.36	105.94	111.63	117.32	125.77	134.21	145.08
<b>30.0</b>	74.80	75.95	77.10	79.90	82.69	87.05	91.42	97.81	104.20	112.71
<b>32.5</b>	58.32	59.18	60.04	62.27	64.50	67.77	71.03	75.77	80.50	86.71
<b>35.0</b>	45.52	46.15	46.77	48.47	50.17	52.62	55.06	58.55	62.04	66.24
<b>37.5</b>	35.77	36.23	36.70	37.85	39.01	40.80	42.59	45.08	47.55	50.40
<b>40.0</b>	28.73	29.05	29.37	30.08	30.78	31.98	33.17	34.77	36.37	38.27
<b>42.5</b>	23.59	23.78	23.97	24.48	24.98	25.62	26.26	27.34	28.40	29.53
<b>45.0</b>	19.93	20.09	20.24	20.54	20.84	21.25	21.66	22.25	22.84	23.50
<b>47.5</b>	17.32	17.42	17.51	17.75	17.99	18.22	18.44	18.79	19.14	19.54
<b>50.0</b>	15.38	15.42	15.46	15.68	15.89	16.03	16.16	16.39	16.61	16.83
<b>52.5</b>	13.80	13.84	13.87	14.02	14.16	14.29	14.41	14.52	14.62	14.70
<b>55.0</b>	12.41	12.44	12.46	12.57	12.68	12.76	12.84	12.85	12.85	12.83
<b>57.5</b>	11.22	11.19	11.16	11.25	11.34	11.37	11.40	11.34	11.27	11.18
<b>60.0</b>	9.89	9.92	9.95	9.98	10.01	10.00	9.99	9.89	9.77	9.64
<b>62.5</b>	8.62	8.63	8.64	8.66	8.67	8.63	8.59	8.43	8.26	8.08
<b>65.0</b>	7.30	7.30	7.30	7.29	7.28	7.23	7.17	7.01	6.84	6.71
<b>67.5</b>	6.01	6.00	6.00	5.96	5.92	5.88	5.84	5.72	5.59	5.46
<b>70.0</b>	4.71	4.78	4.85	4.78	4.71	4.66	4.60	4.50	4.39	4.29
<b>72.5</b>	3.70	3.71	3.71	3.71	3.70	3.61	3.52	3.45	3.37	3.27
<b>75.0</b>	2.74	2.79	2.82	2.76	2.69	2.67	2.64	2.58	2.51	2.44
<b>77.5</b>	1.98	1.93	1.88	1.82	1.76	1.79	1.82	1.83	1.82	1.75
<b>80.0</b>	1.26	1.21	1.15	1.12	1.07	1.07	1.07	1.09	1.12	1.11
<b>82.5</b>	0.61	0.61	0.61	0.57	0.52	0.55	0.58	0.60	0.62	0.59
<b>85.0</b>	0.28	0.28	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.28
<b>87.5</b>	0.08	0.09	0.10	0.10	0.10	0.11	0.12	0.11	0.10	0.10
<b>90.0</b>	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>
<b>0.0</b>	733.86	733.86	733.86	733.86	733.86	733.86	733.86	733.86	733.86
<b>2.5</b>	719.27	720.41	721.54	722.95	724.36	725.15	725.94	726.17	726.40
<b>5.0</b>	681.77	687.78	693.79	699.15	704.50	708.11	711.71	713.12	714.54
<b>7.5</b>	630.42	642.04	653.66	664.93	676.20	684.34	692.47	695.57	698.66
<b>10.0</b>	569.82	587.34	604.86	622.10	639.35	652.88	666.42	672.07	677.73
<b>12.5</b>	502.63	525.52	548.41	571.23	594.05	613.45	632.85	641.03	649.21
<b>15.0</b>	433.16	459.62	486.07	512.87	539.67	563.15	586.61	597.11	607.61
<b>17.5</b>	365.36	392.55	419.73	448.72	477.71	503.40	529.08	541.65	554.21
<b>20.0</b>	301.91	327.64	353.37	381.95	410.54	436.03	461.53	474.63	487.74
<b>22.5</b>	245.98	267.53	289.07	315.55	342.03	365.13	388.22	400.37	412.52
<b>25.0</b>	197.11	214.36	231.60	253.35	275.10	294.68	314.25	324.69	335.13
<b>27.5</b>	155.95	168.91	181.86	198.85	215.83	231.17	246.51	254.53	262.54
<b>30.0</b>	121.22	130.89	140.56	152.88	165.21	177.17	189.14	194.95	200.76

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	92.91	99.86	106.81	115.32	123.83	132.91	141.98	145.84	149.69
<b>35.0</b>	70.43	75.52	80.61	86.29	91.96	98.59	105.20	107.71	110.22
<b>37.5</b>	53.25	56.76	60.26	64.16	68.06	72.71	77.35	78.96	80.57
<b>40.0</b>	40.17	42.63	45.08	47.83	50.58	53.79	56.99	58.09	59.18
<b>42.5</b>	30.64	32.31	33.96	35.92	37.88	40.04	42.20	42.93	43.65
<b>45.0</b>	24.16	25.19	26.22	27.53	28.84	30.19	31.53	32.00	32.46
<b>47.5</b>	19.93	20.41	20.89	21.64	22.38	23.10	23.82	24.10	24.37
<b>50.0</b>	17.06	17.15	17.24	17.55	17.85	18.15	18.44	18.56	18.67
<b>52.5</b>	14.77	14.68	14.58	14.61	14.63	14.69	14.75	14.87	14.98
<b>55.0</b>	12.81	12.66	12.50	12.39	12.28	12.28	12.27	12.28	12.30
<b>57.5</b>	11.07	10.85	10.62	10.52	10.42	10.34	10.26	10.27	10.28
<b>60.0</b>	9.49	9.25	9.01	8.86	8.71	8.66	8.61	8.64	8.65
<b>62.5</b>	7.90	7.72	7.54	7.40	7.24	7.23	7.22	7.20	7.18
<b>65.0</b>	6.58	6.39	6.20	6.06	5.92	5.91	5.90	5.90	5.89
<b>67.5</b>	5.33	5.18	5.02	4.88	4.74	4.74	4.73	4.76	4.79
<b>70.0</b>	4.18	4.05	3.93	3.82	3.72	3.71	3.71	3.73	3.75
<b>72.5</b>	3.17	3.08	2.99	2.93	2.86	2.86	2.86	2.86	2.86
<b>75.0</b>	2.36	2.32	2.27	2.22	2.16	2.15	2.13	2.09	2.05
<b>77.5</b>	1.66	1.60	1.52	1.52	1.52	1.50	1.47	1.47	1.46
<b>80.0</b>	1.11	1.04	0.97	0.97	0.97	0.92	0.87	0.91	0.94
<b>82.5</b>	0.56	0.55	0.53	0.54	0.55	0.54	0.53	0.52	0.51
<b>85.0</b>	0.26	0.30	0.33	0.31	0.28	0.30	0.30	0.31	0.31
<b>87.5</b>	0.09	0.09	0.09	0.10	0.11	0.11	0.11	0.10	0.10
<b>90.0</b>	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	180.67	N.A.	49.90
0-30	274.60	N.A.	75.90
0-40	320.83	N.A.	88.60
0-60	352.30	N.A.	97.30
0-80	361.58	N.A.	99.90
0-90	361.99	N.A.	100.00
10-90	300.97	N.A.	83.10
20-40	140.16	N.A.	38.70
20-50	160.23	N.A.	44.30
40-70	38.11	N.A.	10.50
60-80	9.29	N.A.	2.60
70-80	2.65	N.A.	0.70
80-90	0.40	N.A.	0.10
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	361.99	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	61.02
10-20	119.65
20-30	93.93
30-40	46.23
40-50	20.07
50-60	11.40
60-70	6.64
70-80	2.65
80-90	0.40
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

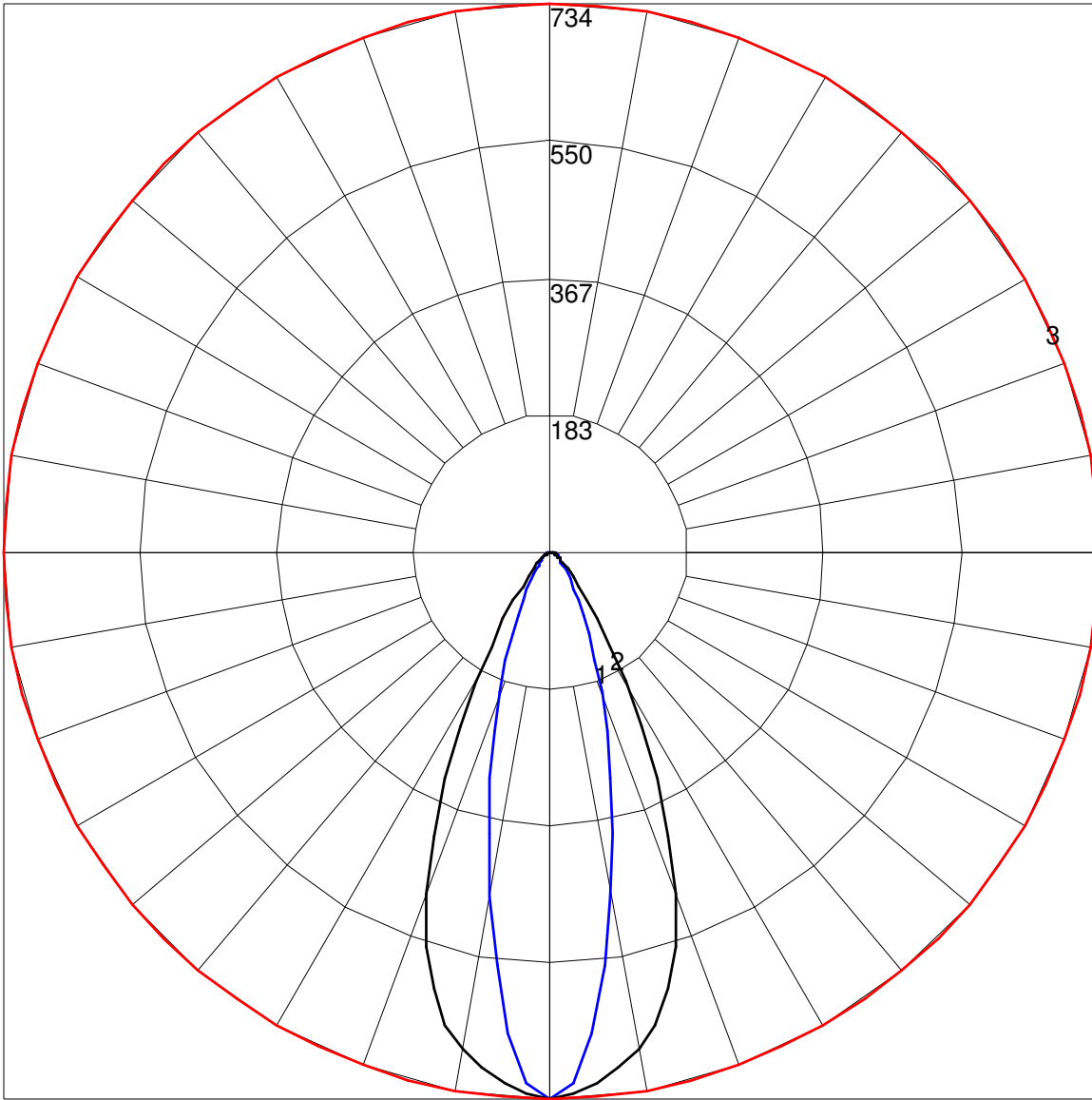
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	81
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	80	76	73	72
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	76	72	69	68
7	85	77	71	67	84	76	70	67	75	70	66	73	69	66	72	69	66	64
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	64	60	77	69	64	60	68	63	60	67	63	59	66	62	59	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55

POLAR GRAPH



Maximum Candela = 733.86 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.)