

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C6RX-1060-00-UNVE5-35-LG.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 3543  
 [ECN] 3644  
 [TESTLAB] Tempo LLC  
 [ISSUE DATE] 7/30/2018 10:30:02 AM  
 [MANUFAC] Tempo LLC  
 [LUMCAT] C6RX-1060-00-UNVE5-35-LG  
 [LUMINAIRE] Natural anodized aluminum housing with clear glass lens  
 [LAMP] Four (4) white LEDs (3500K) with clear satin enamel 10 deg x 60 deg round optics  
 [ELECTRICALS] 120.06 VAC, 0.04 A, 0.9888 PF, 21% ATHD

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	396
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	5.17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.48
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	1208	1786	6463
55	1046	1179	1537
65	761	744	903
75	253	253	368
85	82	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>
<b>0.0</b>	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15
<b>2.5</b>	990.45	989.57	988.69	988.71	988.73	989.22	989.70	992.27	994.83	997.85
<b>5.0</b>	841.18	843.77	846.36	852.35	858.35	868.75	879.14	891.88	904.62	919.90
<b>7.5</b>	654.08	658.27	662.45	674.63	686.81	706.12	725.43	750.68	775.93	806.73
<b>10.0</b>	471.13	477.00	482.86	497.54	512.23	537.76	563.28	597.89	632.49	678.20
<b>12.5</b>	323.60	328.89	334.17	348.20	362.23	387.96	413.68	453.38	493.08	548.79
<b>15.0</b>	219.70	223.91	228.12	239.93	251.74	273.61	295.48	332.39	369.29	427.15
<b>17.5</b>	148.26	151.64	155.03	164.15	173.27	190.89	208.52	239.42	270.33	322.59
<b>20.0</b>	99.97	102.55	105.13	112.32	119.49	132.90	146.31	170.16	194.00	238.06
<b>22.5</b>	66.51	68.54	70.57	76.34	82.10	92.39	102.68	120.70	138.72	173.05
<b>25.0</b>	44.15	45.57	46.99	51.54	56.09	64.04	71.99	85.72	99.45	124.58
<b>27.5</b>	30.16	31.11	32.05	35.12	38.19	44.26	50.33	60.80	71.26	89.45
<b>30.0</b>	22.11	22.63	23.15	25.09	27.02	31.16	35.29	43.17	51.06	64.29
<b>32.5</b>	17.30	17.64	17.98	19.17	20.36	22.97	25.59	31.20	36.79	46.71
<b>35.0</b>	14.31	14.55	14.78	15.52	16.26	17.93	19.60	23.36	27.11	34.60
<b>37.5</b>	12.46	12.57	12.67	13.21	13.75	14.77	15.78	18.30	20.81	26.23
<b>40.0</b>	11.22	11.35	11.47	11.81	12.14	12.80	13.46	15.19	16.90	20.55
<b>42.5</b>	10.35	10.43	10.51	10.80	11.09	11.50	11.91	13.06	14.20	16.71
<b>45.0</b>	9.51	9.61	9.71	9.96	10.21	10.53	10.83	11.60	12.36	14.06
<b>47.5</b>	8.82	8.89	8.95	9.14	9.34	9.59	9.84	10.37	10.89	11.90
<b>50.0</b>	8.16	8.23	8.29	8.45	8.61	8.73	8.86	9.26	9.66	10.26
<b>52.5</b>	7.44	7.47	7.49	7.64	7.78	7.88	7.97	8.24	8.50	8.87
<b>55.0</b>	6.68	6.78	6.87	6.91	6.94	7.01	7.07	7.21	7.35	7.53
<b>57.5</b>	6.00	6.02	6.02	6.08	6.13	6.17	6.20	6.26	6.31	6.38
<b>60.0</b>	5.21	5.20	5.20	5.25	5.30	5.33	5.35	5.36	5.36	5.36
<b>62.5</b>	4.41	4.43	4.44	4.45	4.45	4.43	4.40	4.40	4.40	4.39
<b>65.0</b>	3.58	3.62	3.65	3.64	3.63	3.61	3.59	3.56	3.52	3.50
<b>67.5</b>	2.54	2.59	2.62	2.61	2.59	2.59	2.59	2.54	2.47	2.51
<b>70.0</b>	1.76	1.77	1.77	1.82	1.86	1.84	1.81	1.77	1.72	1.75
<b>72.5</b>	1.18	1.17	1.16	1.17	1.18	1.17	1.16	1.14	1.11	1.13
<b>75.0</b>	0.73	0.72	0.71	0.72	0.73	0.73	0.72	0.72	0.71	0.73
<b>77.5</b>	0.43	0.43	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.44
<b>80.0</b>	0.23	0.24	0.24	0.24	0.24	0.23	0.22	0.24	0.27	0.27
<b>82.5</b>	0.12	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16
<b>85.0</b>	0.08	0.08	0.09	0.09	0.09	0.09	0.08	0.09	0.09	0.09
<b>87.5</b>	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04
<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>	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15	1029.15
<b>2.5</b>	1000.86	1004.58	1008.30	1011.43	1014.56	1016.45	1018.33	1019.01	1019.69
<b>5.0</b>	935.17	950.60	966.01	979.27	992.52	1001.47	1010.41	1013.32	1016.22
<b>7.5</b>	837.54	869.95	902.36	931.02	959.67	980.13	1000.58	1008.06	1015.54
<b>10.0</b>	723.92	774.44	824.97	873.61	922.24	957.54	992.83	1005.54	1018.24
<b>12.5</b>	604.50	670.41	736.31	803.32	870.32	922.02	973.72	993.88	1014.04
<b>15.0</b>	484.99	560.73	636.47	718.63	800.79	867.94	935.09	961.80	988.50
<b>17.5</b>	374.85	453.10	531.35	622.11	712.87	790.77	868.66	901.59	934.52
<b>20.0</b>	282.11	354.65	427.19	518.92	610.64	692.53	774.42	809.67	844.92
<b>22.5</b>	207.37	268.63	329.89	416.42	502.95	582.11	661.26	696.67	732.07
<b>25.0</b>	149.69	198.38	247.06	321.83	396.60	469.87	543.14	575.74	608.35
<b>27.5</b>	107.63	143.75	179.86	242.04	304.22	367.34	430.46	459.41	488.35
<b>30.0</b>	77.52	103.61	129.69	178.25	226.80	279.26	331.72	355.41	379.09

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	56.63	75.12	93.59	129.29	164.98	207.33	249.68	268.78	287.88
<b>35.0</b>	42.08	55.10	68.12	93.40	118.67	150.97	183.28	198.10	212.93
<b>37.5</b>	31.65	40.91	50.16	67.48	84.80	108.41	132.01	142.92	153.84
<b>40.0</b>	24.20	30.77	37.34	49.14	60.93	77.38	93.83	101.59	109.35
<b>42.5</b>	19.21	23.75	28.29	36.03	43.76	54.56	65.36	70.49	75.62
<b>45.0</b>	15.75	18.80	21.84	26.59	31.33	37.91	44.49	47.69	50.89
<b>47.5</b>	12.89	14.88	16.85	19.66	22.47	26.01	29.55	31.26	32.97
<b>50.0</b>	10.85	12.02	13.18	14.62	16.06	17.69	19.31	20.14	20.96
<b>52.5</b>	9.24	9.82	10.40	11.06	11.72	12.22	12.73	13.19	13.65
<b>55.0</b>	7.71	7.99	8.27	8.48	8.70	8.97	9.25	9.53	9.82
<b>57.5</b>	6.45	6.52	6.59	6.73	6.86	7.02	7.16	7.39	7.61
<b>60.0</b>	5.34	5.36	5.37	5.41	5.44	5.56	5.68	5.96	6.23
<b>62.5</b>	4.38	4.35	4.32	4.37	4.41	4.50	4.59	4.87	5.15
<b>65.0</b>	3.48	3.44	3.39	3.50	3.61	3.74	3.86	4.05	4.25
<b>67.5</b>	2.54	2.53	2.51	2.56	2.61	2.74	2.88	3.02	3.16
<b>70.0</b>	1.77	1.75	1.72	1.75	1.78	1.89	1.99	2.11	2.24
<b>72.5</b>	1.15	1.17	1.19	1.21	1.21	1.29	1.37	1.49	1.62
<b>75.0</b>	0.75	0.77	0.79	0.80	0.81	0.85	0.88	0.97	1.06
<b>77.5</b>	0.47	0.48	0.48	0.49	0.49	0.52	0.55	0.58	0.61
<b>80.0</b>	0.28	0.28	0.28	0.29	0.30	0.33	0.35	0.35	0.35
<b>82.5</b>	0.16	0.16	0.16	0.17	0.18	0.18	0.19	0.18	0.18
<b>85.0</b>	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10
<b>87.5</b>	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
<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	223.06	N.A.	56.30
0-30	323.14	N.A.	81.60
0-40	367.18	N.A.	92.70
0-60	391.32	N.A.	98.80
0-80	395.78	N.A.	100.00
0-90	395.90	N.A.	100.00
10-90	314.59	N.A.	79.50
20-40	144.13	N.A.	36.40
20-50	160.99	N.A.	40.70
40-70	27.68	N.A.	7.00
60-80	4.46	N.A.	1.10
70-80	0.92	N.A.	0.20
80-90	0.12	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	395.90	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	81.31
10-20	141.74
20-30	100.09
30-40	44.04
40-50	16.86
50-60	7.28
60-70	3.54
70-80	0.92
80-90	0.12
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

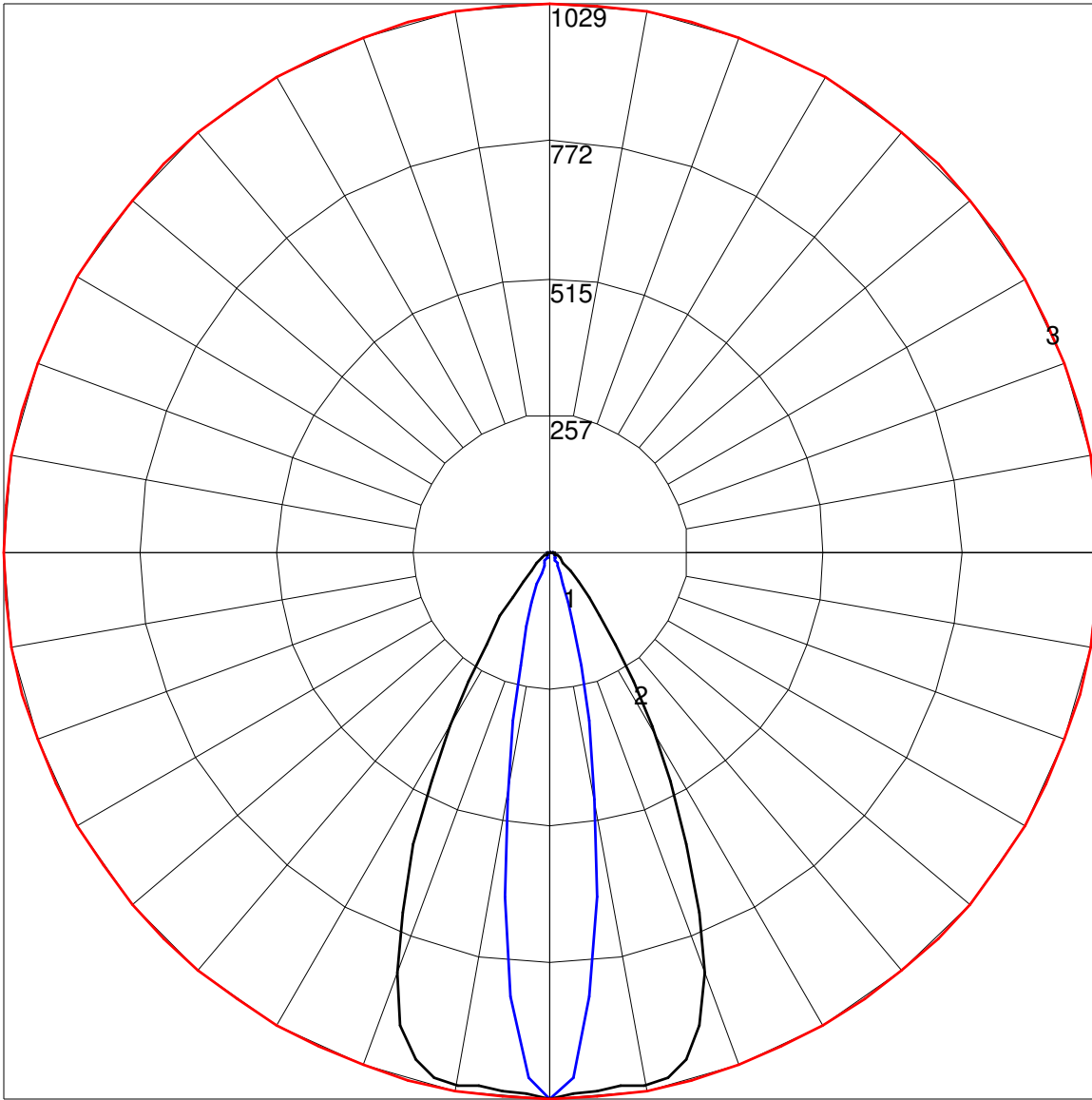
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89
3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80
5	96	88	83	79	94	87	83	79	86	81	78	84	80	78	83	79	77	76	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68	68
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65
9	81	73	68	64	80	73	68	64	72	67	64	71	67	64	70	66	64	62	62
10	78	70	65	62	78	70	65	62	69	64	61	68	64	61	67	64	61	60	60

POLAR GRAPH



Maximum Candela = 1029.15 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.)