

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C6RX-5030-00-UNVE10-35-NA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 3286  
 [ECN] 3081  
 [TESTLAB] Tempo LLC  
 [ISSUE DATE] 11/14/2017 9:48:57 AM  
 [MANUFAC] Tempo LLC  
 [LUMCAT] C6RX-3050-00-UNVE10-35-NA  
 [LUMINAIRE] Natural anodized aluminum housing with frosted glass step lens  
 [LAMP] Six (6) white LEDs (3500K) with 50 deg x 30 deg round optics  
 [ELECTRICALS] 120.02 VAC, 0.08 A, 0.9918 PF, 20% ATHD

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	614
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	10.09
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.72
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	14802	10250	7901
55	9446	6937	5685
65	6445	5200	4518
75	2668	2321	2113
85	484	443	381

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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>	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00
<b>2.5</b>	786.02	784.91	783.80	783.80	783.78	783.10	782.40	782.48	782.56	784.85
<b>5.0</b>	768.73	767.43	766.13	765.51	764.88	763.30	761.71	760.61	759.50	760.03
<b>7.5</b>	741.47	739.54	737.61	736.01	734.41	731.46	728.49	725.64	722.79	721.63
<b>10.0</b>	704.30	701.90	699.49	696.86	694.21	689.44	684.67	679.75	674.83	671.24
<b>12.5</b>	660.28	657.31	654.35	650.40	646.45	639.44	632.42	625.32	618.22	612.22
<b>15.0</b>	609.47	606.29	603.11	597.88	592.64	584.21	575.78	566.75	557.72	549.45
<b>17.5</b>	555.97	552.39	548.81	542.52	536.24	526.45	516.67	505.80	494.93	485.15
<b>20.0</b>	500.73	496.98	493.23	486.14	479.04	468.23	457.42	445.59	433.76	422.82
<b>22.5</b>	446.35	442.62	438.88	431.17	423.45	412.10	400.76	388.33	375.90	364.48
<b>25.0</b>	393.94	390.15	386.35	378.38	370.40	358.84	347.28	334.74	322.20	310.75
<b>27.5</b>	344.59	340.84	337.08	329.07	321.05	309.85	298.64	286.58	274.52	263.53
<b>30.0</b>	299.20	295.60	291.99	284.26	276.52	265.95	255.38	244.23	233.08	222.84
<b>32.5</b>	258.07	254.74	251.41	244.35	237.29	227.54	217.79	207.44	197.09	187.71
<b>35.0</b>	221.75	218.79	215.83	209.38	202.92	193.93	184.94	175.59	166.23	157.82
<b>37.5</b>	189.84	187.06	184.28	178.41	172.53	164.46	156.38	148.17	139.96	132.66
<b>40.0</b>	161.40	159.14	156.87	151.61	146.34	139.39	132.44	125.37	118.30	111.95
<b>42.5</b>	137.20	135.15	133.10	128.63	124.15	118.19	112.23	106.18	100.12	94.79
<b>45.0</b>	116.55	114.75	112.95	109.16	105.36	100.35	95.33	90.22	85.12	80.71
<b>47.5</b>	98.82	97.38	95.93	92.72	89.52	85.36	81.21	76.96	72.71	69.06
<b>50.0</b>	83.72	82.56	81.39	78.75	76.11	72.67	69.21	65.77	62.33	59.36
<b>52.5</b>	71.20	70.11	69.02	66.98	64.93	62.08	59.21	56.42	53.61	51.20
<b>55.0</b>	60.33	59.52	58.71	57.02	55.33	53.02	50.71	48.51	46.31	44.31
<b>57.5</b>	51.09	50.41	49.72	48.41	47.08	45.28	43.47	41.73	39.98	38.35
<b>60.0</b>	43.11	42.62	42.13	41.08	40.02	38.58	37.14	35.78	34.41	33.18
<b>62.5</b>	36.30	35.95	35.60	34.79	33.97	32.84	31.71	30.63	29.56	28.59
<b>65.0</b>	30.33	30.06	29.78	29.20	28.61	27.76	26.90	26.07	25.24	24.47
<b>67.5</b>	22.64	22.42	22.19	21.81	21.43	20.85	20.27	19.70	19.12	18.62
<b>70.0</b>	16.40	16.28	16.15	15.87	15.58	15.21	14.83	14.49	14.15	13.83
<b>72.5</b>	11.53	11.45	11.36	11.18	11.00	10.76	10.51	10.29	10.06	9.85
<b>75.0</b>	7.69	7.67	7.65	7.52	7.39	7.26	7.13	6.96	6.78	6.69
<b>77.5</b>	4.79	4.76	4.73	4.67	4.61	4.54	4.47	4.39	4.31	4.27
<b>80.0</b>	2.68	2.67	2.66	2.64	2.61	2.58	2.55	2.49	2.43	2.42
<b>82.5</b>	1.27	1.29	1.30	1.28	1.25	1.25	1.24	1.21	1.18	1.17
<b>85.0</b>	0.47	0.47	0.47	0.46	0.44	0.45	0.46	0.45	0.44	0.43
<b>87.5</b>	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	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>	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00	794.00
<b>2.5</b>	787.12	788.54	789.97	790.51	791.06	791.01	790.96	791.50	792.03
<b>5.0</b>	760.54	761.21	761.87	761.40	760.92	760.30	759.68	760.17	760.66
<b>7.5</b>	720.46	718.89	717.32	715.62	713.93	712.48	711.02	711.19	711.35
<b>10.0</b>	667.64	664.33	661.01	657.47	653.92	651.70	649.48	648.97	648.46
<b>12.5</b>	606.23	601.14	596.06	590.79	585.51	582.43	579.35	578.35	577.35
<b>15.0</b>	541.18	534.08	526.99	520.88	514.77	510.73	506.68	505.65	504.61
<b>17.5</b>	475.37	467.23	459.07	452.01	444.94	440.56	436.18	434.63	433.08
<b>20.0</b>	411.88	402.90	393.91	386.50	379.08	374.34	369.60	368.05	366.49
<b>22.5</b>	353.05	343.70	334.34	326.70	319.06	314.47	309.88	308.47	307.06
<b>25.0</b>	299.30	290.06	280.82	273.64	266.46	262.15	257.83	256.28	254.74
<b>27.5</b>	252.53	244.04	235.55	228.81	222.07	218.05	214.02	212.80	211.58
<b>30.0</b>	212.59	204.58	196.57	190.42	184.27	180.60	176.92	175.84	174.74

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	178.33	170.98	163.62	158.15	152.68	149.49	146.29	145.32	144.35
<b>35.0</b>	149.39	142.93	136.45	131.75	127.05	124.39	121.72	120.77	119.83
<b>37.5</b>	125.35	119.78	114.20	110.24	106.27	104.05	101.83	101.09	100.35
<b>40.0</b>	105.59	100.90	96.22	92.93	89.64	87.79	85.93	85.31	84.70
<b>42.5</b>	89.46	85.59	81.71	78.95	76.18	74.73	73.28	72.73	72.16
<b>45.0</b>	76.31	73.10	69.89	67.62	65.36	64.13	62.90	62.56	62.21
<b>47.5</b>	65.41	62.73	60.04	58.29	56.54	55.55	54.55	54.23	53.91
<b>50.0</b>	56.39	54.24	52.09	50.67	49.24	48.43	47.62	47.29	46.96
<b>52.5</b>	48.78	47.08	45.38	44.16	42.93	42.34	41.74	41.57	41.40
<b>55.0</b>	42.30	40.92	39.54	38.64	37.73	37.22	36.70	36.51	36.31
<b>57.5</b>	36.72	35.65	34.58	33.83	33.08	32.68	32.28	32.06	31.83
<b>60.0</b>	31.94	31.06	30.19	29.59	28.99	28.66	28.32	28.15	27.99
<b>62.5</b>	27.62	26.99	26.34	25.86	25.36	25.06	24.76	24.64	24.51
<b>65.0</b>	23.69	23.23	22.76	22.35	21.94	21.71	21.48	21.38	21.26
<b>67.5</b>	18.12	17.78	17.43	17.19	16.94	16.74	16.54	16.44	16.34
<b>70.0</b>	13.49	13.29	13.08	12.88	12.67	12.56	12.44	12.38	12.32
<b>72.5</b>	9.64	9.54	9.44	9.31	9.18	9.08	8.99	8.93	8.86
<b>75.0</b>	6.60	6.52	6.45	6.37	6.29	6.24	6.19	6.14	6.09
<b>77.5</b>	4.21	4.15	4.09	4.04	3.99	3.97	3.95	3.91	3.87
<b>80.0</b>	2.41	2.38	2.34	2.31	2.29	2.28	2.27	2.22	2.18
<b>82.5</b>	1.16	1.14	1.12	1.12	1.11	1.11	1.10	1.07	1.05
<b>85.0</b>	0.43	0.43	0.43	0.42	0.41	0.40	0.40	0.38	0.37
<b>87.5</b>	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
<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	222.85	N.A.	36.30
0-30	369.02	N.A.	60.10
0-40	472.81	N.A.	77.00
0-60	581.17	N.A.	94.70
0-80	613.06	N.A.	99.90
0-90	613.86	N.A.	100.00
10-90	543.94	N.A.	88.60
20-40	249.96	N.A.	40.70
20-50	316.44	N.A.	51.50
40-70	132.51	N.A.	21.60
60-80	31.89	N.A.	5.20
70-80	7.74	N.A.	1.30
80-90	0.80	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	613.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	69.92
10-20	152.93
20-30	146.17
30-40	103.79
40-50	66.47
50-60	41.88
60-70	24.16
70-80	7.74
80-90	0.80
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

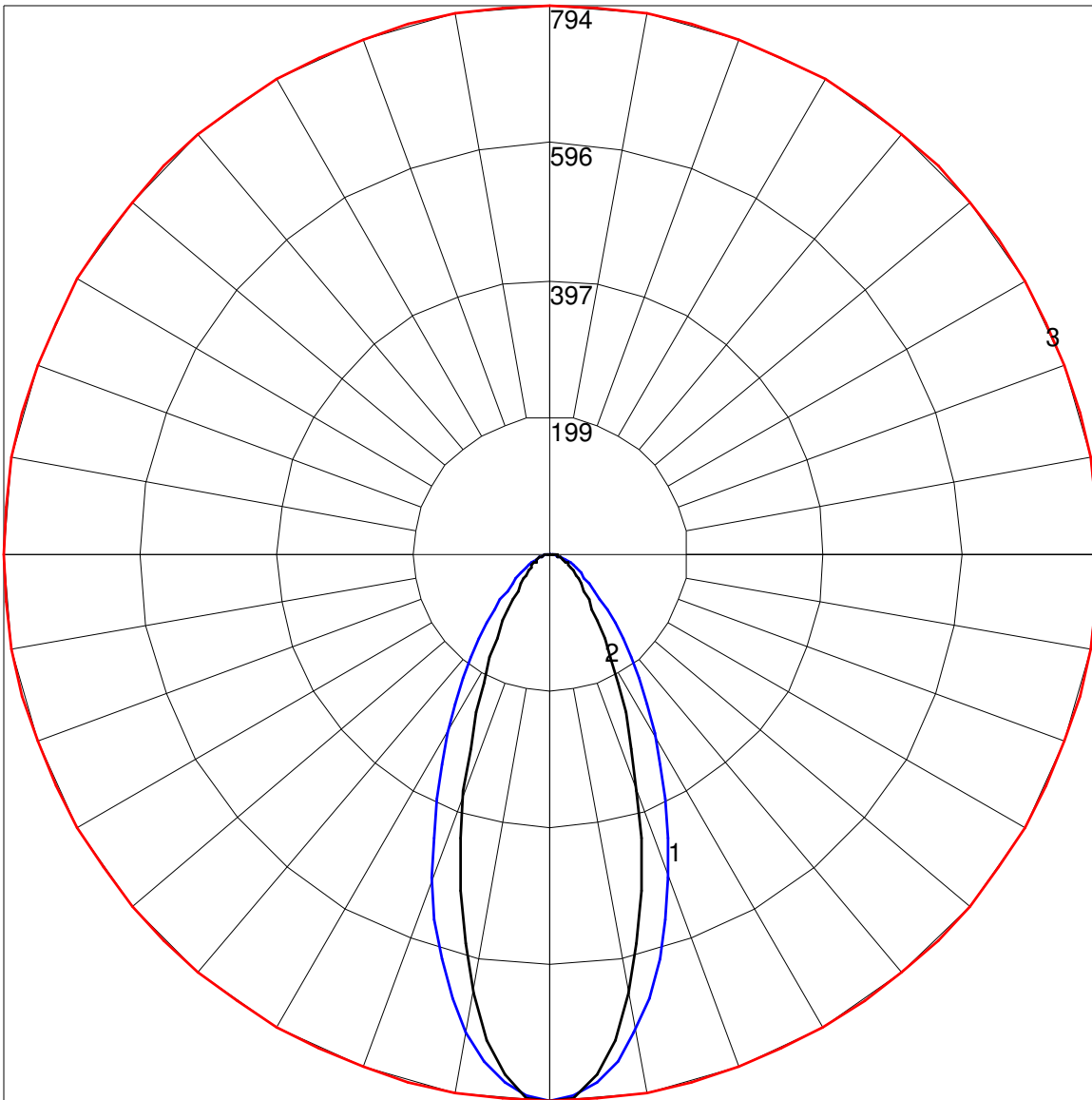
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	86	82	79	83	80	77	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	68	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57	66	61	57	64	60	57	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51
9	71	61	55	50	70	60	54	50	59	54	50	59	53	50	58	53	50	48
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45

POLAR GRAPH



Maximum Candela = 794 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.)