

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-FL-00-UNVE9-35-NA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3399
 [ECN] 3414
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 3/27/2018 10:07:05 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6RX-FL-00-UNVE9-35-NA
 [LUMINAIRE] Natural anodized aluminum housing with frosted glass lens
 [LAMP] Twenty (20) white LEDs (3500K)
 [_ELECTRICALS] 120.02 VAC, 0.08 A, 0.9934 PF, 23% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	678
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	9.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.28
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	19418	20749	21040
55	14158	17407	18678
65	9622	13812	16107
75	6520	9944	12543
85	3678	5172	6306

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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	296.00	296.00	296.00	296.00	296.00	296.00	296.00	296.00	296.00	296.00
2.5	295.36	294.96	294.55	294.45	294.34	294.23	294.12	294.37	294.60	295.13
5.0	294.44	294.13	293.82	293.66	293.50	293.31	293.12	293.36	293.59	294.08
7.5	292.89	292.50	292.10	291.94	291.77	291.63	291.48	291.64	291.79	292.20
10.0	290.37	289.93	289.48	289.33	289.18	288.99	288.80	288.96	289.11	289.51
12.5	286.97	286.51	286.05	285.87	285.69	285.49	285.28	285.42	285.55	285.84
15.0	282.46	282.05	281.62	281.46	281.30	281.07	280.85	280.96	281.07	281.33
17.5	277.33	276.86	276.38	276.20	276.02	275.73	275.43	275.52	275.61	275.85
20.0	271.06	270.62	270.17	270.00	269.83	269.60	269.38	269.37	269.35	269.50
22.5	263.92	263.53	263.14	262.94	262.74	262.52	262.28	262.23	262.19	262.27
25.0	255.91	255.42	254.93	254.88	254.82	254.63	254.43	254.33	254.23	254.16
27.5	246.49	246.22	245.95	245.89	245.82	245.67	245.51	245.41	245.31	245.19
30.0	236.08	235.83	235.57	235.61	235.64	235.69	235.73	235.66	235.57	235.38
32.5	224.66	224.43	224.19	224.41	224.63	224.76	224.89	224.91	224.92	224.71
35.0	212.14	212.00	211.86	212.26	212.67	212.99	213.32	213.51	213.69	213.49
37.5	198.65	198.62	198.59	199.16	199.73	200.21	200.68	201.14	201.59	201.53
40.0	184.11	184.23	184.34	185.15	185.96	186.80	187.62	188.29	188.96	189.16
42.5	168.88	169.05	169.21	170.39	171.57	172.70	173.83	174.84	175.84	176.32
45.0	152.90	153.29	153.67	155.12	156.57	158.11	159.64	161.08	162.51	163.38
47.5	136.66	137.18	137.69	139.46	141.22	143.25	145.27	147.11	148.94	150.23
50.0	120.40	121.09	121.78	123.83	125.87	128.29	130.70	133.03	135.35	137.09
52.5	104.90	105.66	106.42	108.62	110.82	113.58	116.34	119.10	121.85	124.02
55.0	90.43	91.22	92.01	94.25	96.47	99.42	102.36	105.50	108.63	111.18
57.5	77.22	78.05	78.89	81.09	83.30	86.35	89.41	92.68	95.96	98.76
60.0	65.18	66.04	66.88	68.98	71.08	74.15	77.21	80.64	84.07	87.01
62.5	54.54	55.34	56.14	58.04	59.94	62.92	65.89	69.27	72.65	75.78
65.0	45.28	45.97	46.67	48.33	49.99	52.74	55.49	58.69	61.89	65.00
67.5	37.20	37.81	38.41	39.85	41.28	43.67	46.05	48.93	51.80	54.77
70.0	30.26	30.75	31.24	32.43	33.61	35.64	37.66	40.18	42.69	45.32
72.5	24.15	24.54	24.93	25.87	26.81	28.46	30.11	32.21	34.30	36.59
75.0	18.79	19.12	19.45	20.14	20.84	22.16	23.48	25.13	26.77	28.66
77.5	14.09	14.32	14.55	15.08	15.60	16.56	17.52	18.77	20.01	21.44
80.0	9.94	10.14	10.33	10.67	11.00	11.69	12.37	13.19	14.01	15.04
82.5	6.44	6.55	6.66	6.86	7.06	7.48	7.89	8.38	8.88	9.51
85.0	3.57	3.61	3.64	3.74	3.83	4.04	4.26	4.50	4.73	5.02
87.5	1.47	1.50	1.52	1.55	1.57	1.62	1.68	1.74	1.78	1.87
90.0	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	296.00	296.00	296.00	296.00	296.00	296.00	296.00	296.00	296.00
2.5	295.65	296.12	296.60	296.98	297.36	297.51	297.66	297.66	297.64
5.0	294.57	295.05	295.53	295.76	295.98	296.10	296.22	296.32	296.41
7.5	292.60	293.07	293.53	293.78	294.01	294.02	294.02	294.04	294.05
10.0	289.90	290.24	290.57	290.80	291.02	291.05	291.06	291.04	291.02
12.5	286.13	286.49	286.85	287.04	287.23	287.18	287.13	287.11	287.08
15.0	281.59	281.89	282.18	282.27	282.37	282.26	282.15	282.18	282.20
17.5	276.08	276.32	276.56	276.62	276.67	276.54	276.39	276.38	276.35
20.0	269.64	269.84	270.04	270.04	270.03	269.82	269.60	269.43	269.26
22.5	262.34	262.49	262.65	262.44	262.23	262.10	261.96	261.83	261.70
25.0	254.08	254.09	254.10	254.01	253.92	253.65	253.38	253.10	252.83
27.5	245.06	244.94	244.82	244.60	244.37	244.14	243.91	243.70	243.48
30.0	235.17	234.98	234.78	234.56	234.33	234.02	233.72	233.47	233.21

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32.5	224.49	224.35	224.21	223.90	223.60	223.31	223.02	222.77	222.51
35.0	213.28	213.13	212.97	212.73	212.49	212.26	212.03	211.74	211.45
37.5	201.46	201.43	201.41	201.21	201.02	200.86	200.70	200.48	200.26
40.0	189.35	189.51	189.66	189.54	189.42	189.40	189.38	189.07	188.75
42.5	176.80	177.27	177.74	177.75	177.76	177.79	177.80	177.49	177.16
45.0	164.25	164.96	165.66	165.80	165.93	166.07	166.20	165.94	165.67
47.5	151.52	152.47	153.42	153.87	154.31	154.39	154.47	154.19	153.91
50.0	138.83	140.01	141.19	141.78	142.36	142.57	142.78	142.60	142.41
52.5	126.19	127.67	129.16	129.92	130.67	130.91	131.16	130.95	130.74
55.0	113.73	115.46	117.19	118.04	118.89	119.25	119.61	119.46	119.30
57.5	101.57	103.51	105.46	106.48	107.49	107.83	108.16	108.09	108.01
60.0	89.94	91.99	94.02	95.12	96.22	96.66	97.09	96.99	96.89
62.5	78.89	81.02	83.15	84.34	85.53	85.98	86.44	86.38	86.32
65.0	68.11	70.24	72.37	73.68	74.98	75.42	75.85	75.83	75.80
67.5	57.73	59.80	61.86	63.15	64.42	64.92	65.42	65.42	65.41
70.0	47.95	49.90	51.84	53.10	54.34	54.78	55.21	55.27	55.32
72.5	38.88	40.59	42.30	43.44	44.57	45.00	45.43	45.47	45.52
75.0	30.54	31.94	33.34	34.36	35.38	35.73	36.08	36.12	36.15
77.5	22.88	23.98	25.08	25.89	26.69	27.00	27.30	27.33	27.35
80.0	16.07	16.84	17.60	18.17	18.75	18.98	19.20	19.21	19.21
82.5	10.14	10.59	11.04	11.40	11.77	11.87	11.96	12.00	12.04
85.0	5.32	5.53	5.73	5.89	6.05	6.05	6.05	6.09	6.12
87.5	1.96	1.99	2.01	2.05	2.09	2.04	1.99	2.00	2.00
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	107.35	N.A.	15.80
0-30	224.24	N.A.	33.10
0-40	356.97	N.A.	52.70
0-60	578.43	N.A.	85.40
0-80	671.26	N.A.	99.10
0-90	677.68	N.A.	100.00
10-90	649.70	N.A.	95.90
20-40	249.62	N.A.	36.80
20-50	374.05	N.A.	55.20
40-70	284.09	N.A.	41.90
60-80	92.83	N.A.	13.70
70-80	30.20	N.A.	4.50
80-90	6.42	N.A.	0.90
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	677.68	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	27.98
10-20	79.37
20-30	116.89
30-40	132.73
40-50	124.42
50-60	97.03
60-70	62.63
70-80	30.20
80-90	6.42
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

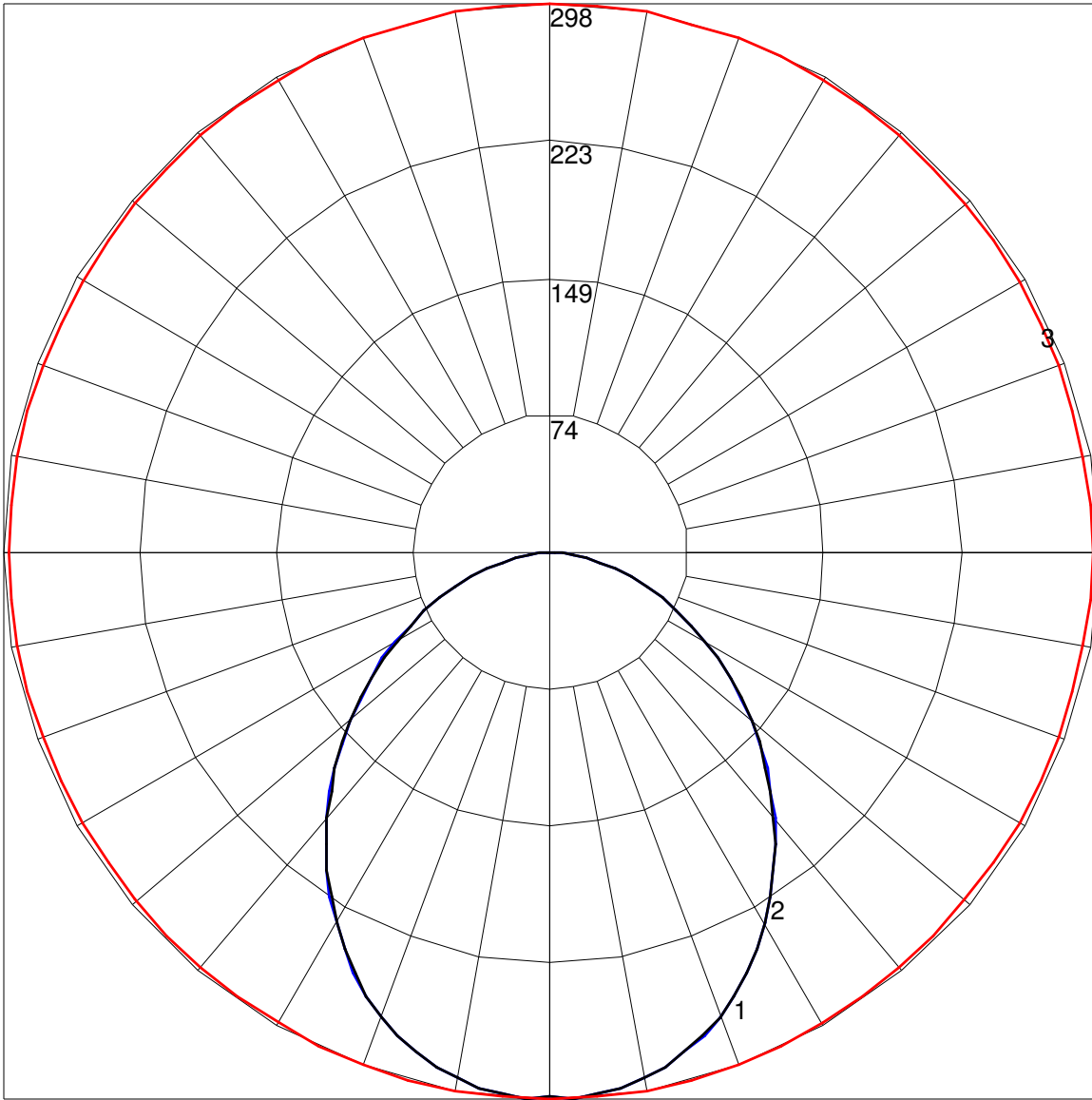
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	75	69	69	90	81	74	69	78	73	68	76	71	66	73	69	65	63
4	85	74	66	60	60	83	73	65	59	70	64	59	68	62	58	66	61	57	55
5	79	67	58	52	52	77	66	58	52	64	57	51	62	56	51	60	54	50	48
6	73	60	52	46	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43
7	68	55	47	41	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	50	42	37	37	62	50	42	37	49	41	36	47	41	36	46	40	36	34
9	59	47	39	33	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	30	54	43	35	30	42	35	30	41	34	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 297.66 Located At Horizontal Angle = 80, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)