

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3403
 [ECN] 3414
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 3/29/2018 12:20:52 PM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6RX-BVL-00-UNVE9-35-NA
 [LUMINAIRE] Natural anodized aluminum housing with 1" deep louver and clear glass lens
 [LAMP] Twenty (20) white LEDs (3500K) with shaping and diffusing film
 [ELECTRICALS] 120.02 VAC, 0.08 A, 0.9934 PF, 11% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	246
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	27
Total Luminaire Watts	9.03
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
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	1742	1266	1605
55	946	518	697
65	582	338	412
75	382	281	316
85	381	319	350

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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	320.15	320.15	320.15	320.15	320.15	320.15	320.15	320.15	320.15	320.15
2.5	318.45	318.04	317.64	317.44	317.23	316.98	316.72	316.86	316.99	317.45
5.0	317.99	317.37	316.75	316.16	315.56	314.76	313.95	313.12	312.28	311.88
7.5	317.00	315.96	314.91	313.59	312.26	310.40	308.53	306.65	304.76	303.39
10.0	314.89	313.38	311.87	309.59	307.30	304.29	301.27	298.19	295.10	292.62
12.5	311.70	309.69	307.68	304.29	300.89	296.66	292.43	288.08	283.73	280.04
15.0	306.17	303.62	301.07	296.58	292.08	286.83	281.58	276.21	270.83	266.15
17.5	299.18	295.88	292.58	286.97	281.35	274.94	268.52	262.40	256.28	251.09
20.0	291.06	286.92	282.78	275.97	269.14	261.47	253.78	247.00	240.21	234.26
22.5	277.92	273.43	268.94	261.61	254.27	246.11	237.95	230.25	222.55	215.94
25.0	228.38	228.05	227.72	227.46	227.20	222.62	218.04	210.84	203.64	196.74
27.5	96.33	104.06	111.79	131.77	151.74	166.80	181.85	181.69	181.53	175.81
30.0	36.45	38.05	39.64	48.19	56.73	82.05	107.37	128.02	148.67	148.44
32.5	26.33	26.33	26.33	27.55	28.76	35.58	42.39	69.73	97.06	109.49
35.0	21.73	21.49	21.25	21.47	21.68	22.89	24.09	34.53	44.96	67.84
37.5	18.64	18.30	17.95	17.83	17.70	17.99	18.28	20.48	22.67	39.14
40.0	16.80	16.38	15.95	15.48	15.01	14.86	14.71	15.35	15.98	22.03
42.5	15.44	14.95	14.45	13.82	13.17	12.67	12.15	12.23	12.30	13.79
45.0	13.72	13.25	12.78	12.15	11.52	10.88	10.25	9.94	9.63	9.97
47.5	11.52	11.17	10.81	10.30	9.78	9.20	8.62	8.13	7.64	7.50
50.0	9.19	8.93	8.68	8.31	7.94	7.49	7.03	6.54	6.04	5.67
52.5	6.78	6.56	6.33	6.23	6.12	5.85	5.57	5.14	4.70	4.25
55.0	6.04	5.80	5.55	5.16	4.76	4.47	4.18	3.87	3.56	3.31
57.5	4.77	4.58	4.40	4.18	3.95	3.62	3.28	2.99	2.69	2.63
60.0	4.31	4.08	3.84	3.53	3.21	2.94	2.66	2.46	2.25	2.20
62.5	3.45	3.30	3.14	2.93	2.71	2.45	2.18	2.05	1.91	1.88
65.0	2.74	2.64	2.53	2.37	2.20	2.01	1.81	1.71	1.61	1.59
67.5	2.20	2.11	2.03	1.90	1.78	1.65	1.52	1.45	1.38	1.35
70.0	1.74	1.68	1.61	1.54	1.46	1.36	1.26	1.21	1.17	1.15
72.5	1.39	1.34	1.28	1.23	1.16	1.10	1.04	1.00	0.96	0.95
75.0	1.10	1.07	1.04	1.00	0.94	0.90	0.86	0.84	0.82	0.81
77.5	0.84	0.84	0.84	0.80	0.76	0.73	0.69	0.68	0.67	0.66
80.0	0.65	0.65	0.64	0.62	0.59	0.57	0.55	0.54	0.53	0.53
82.5	0.49	0.49	0.49	0.48	0.46	0.45	0.44	0.42	0.40	0.40
85.0	0.37	0.37	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.31
87.5	0.26	0.26	0.26	0.25	0.24	0.24	0.23	0.24	0.25	0.25
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	320.15	320.15	320.15	320.15	320.15	320.15	320.15	320.15	320.15
2.5	317.91	318.37	318.83	319.16	319.50	319.67	319.83	319.94	320.04
5.0	311.47	311.19	310.90	310.60	310.29	310.03	309.77	309.76	309.75
7.5	302.02	300.71	299.39	298.38	297.37	296.53	295.69	295.48	295.26
10.0	290.14	287.77	285.41	283.68	281.95	280.66	279.35	279.05	278.75
12.5	276.36	273.20	270.04	267.67	265.31	263.58	261.85	261.39	260.93
15.0	261.47	257.66	253.84	250.81	247.78	245.64	243.50	242.80	242.10
17.5	245.89	241.06	236.22	232.65	229.07	226.64	224.21	223.24	222.27
20.0	228.31	223.09	217.86	213.90	209.93	207.24	204.56	203.47	202.39
22.5	209.33	204.24	199.14	194.94	190.74	187.90	185.05	183.91	182.76
25.0	189.83	184.72	179.60	175.31	171.01	168.10	165.19	163.97	162.75
27.5	170.08	164.68	159.26	155.14	151.00	148.07	145.14	143.88	142.61
30.0	148.20	143.43	138.64	134.60	130.55	127.72	124.88	123.56	122.23

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32.5	121.92	119.67	117.42	113.61	109.80	107.11	104.41	103.16	101.91
35.0	90.72	93.28	95.84	92.66	89.49	86.98	84.47	83.18	81.89
37.5	55.60	64.99	74.36	72.03	69.69	67.31	64.92	63.62	62.31
40.0	28.08	40.66	53.23	52.14	51.05	48.68	46.31	45.06	43.80
42.5	15.28	24.72	34.16	34.05	33.94	31.60	29.26	28.06	26.86
45.0	10.30	14.53	18.76	18.92	19.07	16.82	14.56	13.60	12.64
47.5	7.36	8.27	9.17	8.78	8.40	7.93	7.45	7.43	7.40
50.0	5.29	5.20	5.12	5.53	5.94	6.13	6.31	6.31	6.31
52.5	3.80	3.91	4.02	4.45	4.86	5.06	5.26	5.31	5.35
55.0	3.05	3.20	3.35	3.64	3.94	4.15	4.36	4.41	4.45
57.5	2.55	2.66	2.77	3.01	3.24	3.40	3.56	3.59	3.61
60.0	2.15	2.24	2.32	2.48	2.63	2.75	2.86	2.89	2.92
62.5	1.84	1.89	1.92	2.03	2.14	2.21	2.28	2.32	2.36
65.0	1.56	1.59	1.61	1.69	1.76	1.81	1.85	1.89	1.94
67.5	1.32	1.34	1.36	1.42	1.48	1.50	1.52	1.58	1.63
70.0	1.13	1.15	1.16	1.20	1.23	1.26	1.28	1.31	1.33
72.5	0.94	0.96	0.97	1.00	1.03	1.06	1.08	1.08	1.08
75.0	0.79	0.80	0.80	0.84	0.86	0.88	0.89	0.91	0.91
77.5	0.64	0.66	0.66	0.67	0.68	0.69	0.70	0.72	0.74
80.0	0.52	0.53	0.54	0.55	0.56	0.55	0.54	0.56	0.57
82.5	0.40	0.41	0.42	0.42	0.42	0.42	0.42	0.43	0.44
85.0	0.31	0.31	0.30	0.32	0.33	0.33	0.32	0.33	0.34
87.5	0.24	0.24	0.23	0.23	0.23	0.24	0.25	0.26	0.26
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	104.59	N.A.	42.50
0-30	189.06	N.A.	76.90
0-40	227.23	N.A.	92.40
0-60	242.72	N.A.	98.70
0-80	245.63	N.A.	99.90
0-90	245.99	N.A.	100.00
10-90	216.72	N.A.	88.10
20-40	122.64	N.A.	49.90
20-50	134.22	N.A.	54.60
40-70	17.45	N.A.	7.10
60-80	2.91	N.A.	1.20
70-80	0.96	N.A.	0.40
80-90	0.35	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	245.99	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	29.27
10-20	75.32
20-30	84.48
30-40	38.16
40-50	11.58
50-60	3.91
60-70	1.96
70-80	0.96
80-90	0.35
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

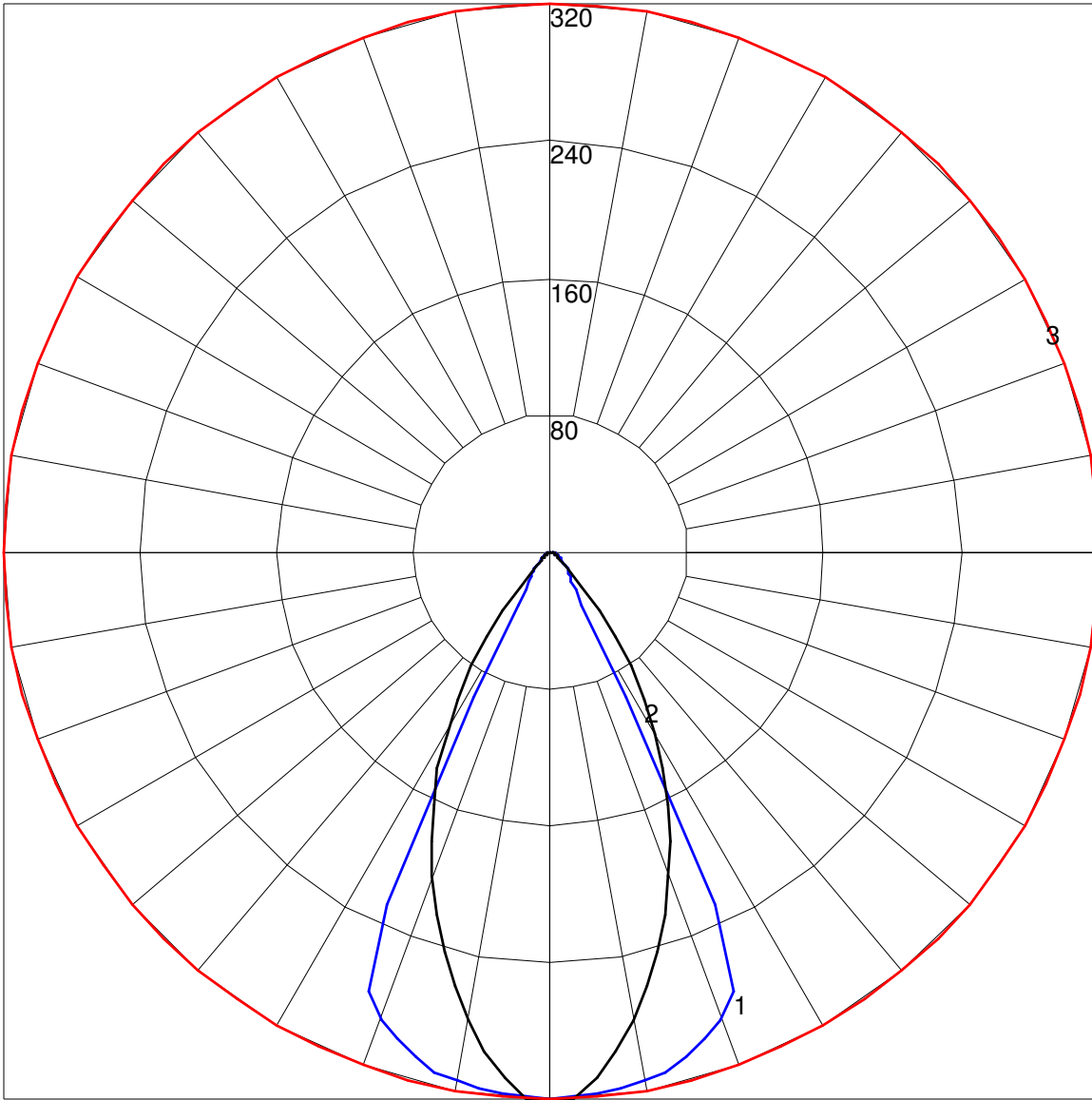
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	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	90	85	81	96	89	84	80	87	83	79	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	73	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	62	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	55	62	57	54	53

POLAR GRAPH



Maximum Candela = 320.15 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.)