

IES INDOOR REPORT PHOTOMETRIC FILENAME : C6RX-1010-00-UNVE10-35-NA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3318
[ECN] 3081
[TESTLAB] Tempo LLC
[ISSUEDATE] 1/2/2018 3:00:41 PM
[MANUFAC] Tempo LLC
[LUMCAT] C6RX-1010-00-UNVE10-35-NA
[LUMINAIRE] Natural anodized aluminum housing with clear glass step lens
[LAMP] Six (6) white LEDs (3500K) with clear satin enamel 10 deg x 10 deg round optics
[ELECTRICALS] 120.02 VAC, 0.08 A, 0.9925 PF, 25% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	932
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	9.98
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.26
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	2885	2996	2934
55	2034	2009	1992
65	1332	1402	1390
75	833	881	978
85	587	752	639

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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	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77
0.5	10265.39	10250.24	10235.09	10237.62	10240.15	10233.42	10226.70	10229.56	10232.42	10230.63
1.0	10171.92	10158.57	10145.22	10146.23	10147.25	10141.96	10136.68	10136.54	10136.41	10128.88
1.5	10012.55	9998.22	9983.90	9982.33	9980.77	9974.19	9967.61	9968.21	9968.80	9960.20
2.0	9778.30	9759.13	9739.96	9734.56	9729.16	9723.25	9717.35	9715.81	9714.27	9703.20
2.5	9449.23	9426.93	9404.63	9400.02	9395.40	9385.84	9376.27	9372.06	9367.85	9359.55
3.0	9009.75	8986.40	8963.05	8960.35	8957.64	8947.66	8937.68	8937.63	8937.58	8930.36
3.5	8451.26	8433.93	8416.60	8422.06	8427.52	8420.26	8413.00	8418.22	8423.43	8418.13
4.0	7828.80	7814.31	7799.81	7811.60	7823.38	7826.45	7829.53	7840.02	7850.50	7854.58
4.5	7154.69	7153.11	7151.53	7162.86	7174.20	7191.55	7208.90	7226.08	7243.25	7261.51
5.0	6499.60	6504.72	6509.85	6524.13	6538.41	6565.65	6592.88	6618.71	6644.55	6668.46
6.0	5392.21	5396.13	5400.05	5411.12	5422.19	5437.04	5451.88	5480.53	5509.19	5537.86
7.0	4490.67	4494.10	4497.54	4504.17	4510.80	4519.18	4527.55	4544.11	4560.66	4581.86
8.0	3716.03	3716.80	3717.57	3721.68	3725.78	3730.42	3735.06	3746.51	3757.96	3774.83
9.0	3039.32	3040.54	3041.76	3047.95	3054.13	3060.99	3067.85	3081.87	3095.89	3109.77
10.0	2475.07	2477.96	2480.86	2486.36	2491.87	2499.91	2507.96	2524.48	2541.00	2553.81
12.5	1500.54	1504.53	1508.53	1518.09	1527.66	1539.23	1550.80	1564.48	1578.17	1584.46
15.0	923.59	927.51	931.44	942.68	953.93	965.22	976.52	988.08	999.63	1001.32
17.5	556.44	559.02	561.60	571.17	580.74	592.44	604.13	613.14	622.16	621.35
20.0	339.22	341.55	343.89	350.44	356.99	365.27	373.55	380.92	388.30	386.43
22.5	211.42	213.41	215.40	219.29	223.18	228.84	234.51	239.35	244.19	242.48
25.0	138.98	140.70	142.41	143.93	145.46	148.40	151.33	154.13	156.92	155.54
27.5	94.48	95.38	96.29	97.49	98.70	99.42	100.15	101.14	102.13	101.49
30.0	67.16	67.12	67.09	68.22	69.34	69.79	70.25	70.89	71.54	70.86
32.5	50.57	51.35	52.13	52.10	52.07	52.55	53.03	53.19	53.34	53.43
35.0	42.32	42.79	43.26	43.34	43.43	43.10	42.77	43.12	43.47	43.59
37.5	34.27	34.19	34.12	34.58	35.05	34.74	34.43	34.75	35.07	35.16
40.0	29.42	29.56	29.69	29.63	29.57	29.71	29.85	29.77	29.69	29.92
42.5	25.30	25.80	26.30	26.62	26.93	26.75	26.57	26.64	26.72	26.60
45.0	22.72	22.99	23.26	23.26	23.26	23.14	23.03	23.09	23.16	23.59
47.5	19.68	19.87	20.06	19.89	19.72	19.72	19.72	19.89	20.05	20.43
50.0	18.24	17.67	17.11	16.97	16.83	16.98	17.12	17.83	18.54	18.34
55.0	12.99	12.68	12.37	12.57	12.76	12.81	12.87	12.95	13.02	12.83
60.0	8.99	8.75	8.51	8.78	9.04	8.96	8.88	9.18	9.48	9.47
65.0	6.27	6.39	6.50	6.48	6.47	6.44	6.42	6.58	6.74	6.60
70.0	3.93	4.21	4.50	4.40	4.29	4.22	4.16	3.99	3.83	4.11
75.0	2.40	2.35	2.31	2.38	2.46	2.62	2.77	2.70	2.64	2.54
80.0	1.47	1.49	1.51	1.46	1.41	1.43	1.45	1.50	1.54	1.48
85.0	0.57	0.60	0.63	0.63	0.63	0.63	0.62	0.67	0.71	0.73
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	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77	10262.77
0.5	10228.83	10233.69	10238.54	10228.34	10218.15	10221.62	10225.09	10225.20	10225.31
1.0	10121.35	10129.42	10137.49	10128.28	10119.07	10117.20	10115.32	10113.47	10111.61
1.5	9951.61	9956.60	9961.60	9948.88	9936.16	9933.57	9930.98	9930.84	9930.69
2.0	9692.12	9691.92	9691.73	9681.43	9671.13	9672.09	9673.05	9674.00	9674.96
2.5	9351.24	9354.06	9356.88	9346.67	9336.47	9341.64	9346.81	9343.91	9341.01
3.0	8923.13	8927.19	8931.26	8919.21	8907.17	8911.90	8916.63	8912.00	8907.37
3.5	8412.83	8421.68	8430.53	8415.87	8401.21	8403.93	8406.65	8400.51	8394.38
4.0	7858.66	7867.47	7876.28	7871.48	7866.67	7868.86	7871.06	7868.48	7865.91
4.5	7279.77	7293.60	7307.43	7310.42	7313.40	7316.84	7320.27	7320.66	7321.06

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5.0	6692.37	6714.51	6736.66	6742.84	6749.02	6758.07	6767.12	6766.93	6766.74
6.0	5566.53	5594.28	5622.04	5646.12	5670.21	5682.56	5694.90	5694.83	5694.76
7.0	4603.05	4630.08	4657.10	4677.54	4697.98	4711.95	4725.93	4732.61	4739.29
8.0	3791.71	3815.17	3838.64	3860.26	3881.88	3896.11	3910.35	3914.35	3918.35
9.0	3123.65	3142.35	3161.05	3177.17	3193.28	3204.87	3216.45	3221.21	3225.97
10.0	2566.62	2579.91	2593.19	2601.45	2609.72	2619.40	2629.09	2629.34	2629.59
12.5	1590.75	1593.11	1595.48	1592.14	1588.81	1586.12	1583.43	1580.32	1577.21
15.0	1003.00	997.62	992.25	980.25	968.25	961.51	954.77	950.57	946.36
17.5	620.55	612.50	604.44	592.73	581.01	573.51	566.02	561.91	557.81
20.0	384.57	376.73	368.90	359.07	349.24	344.02	338.79	335.78	332.78
22.5	240.77	234.31	227.84	221.47	215.11	212.16	209.21	208.65	208.09
25.0	154.16	150.47	146.79	143.45	140.11	138.67	137.24	137.22	137.20
27.5	100.85	99.20	97.54	96.36	95.19	94.38	93.58	93.62	93.67
30.0	70.18	69.29	68.41	67.89	67.37	67.35	67.33	67.30	67.27
32.5	53.53	53.08	52.63	51.92	51.21	51.42	51.63	51.22	50.81
35.0	43.71	43.33	42.95	42.85	42.75	43.11	43.48	42.61	41.75
37.5	35.25	34.59	33.93	34.49	35.04	35.37	35.70	35.07	34.44
40.0	30.15	29.92	29.70	29.74	29.77	29.91	30.05	30.42	30.79
42.5	26.48	26.35	26.22	26.48	26.74	26.10	25.47	26.20	26.92
45.0	24.01	23.50	22.98	23.17	23.36	23.05	22.73	22.92	23.10
47.5	20.81	20.83	20.86	20.56	20.27	19.90	19.54	19.59	19.65
50.0	18.15	18.08	18.01	17.54	17.07	17.20	17.32	16.92	16.52
55.0	12.64	12.77	12.89	13.21	13.54	13.21	12.88	12.80	12.72
60.0	9.46	9.64	9.82	9.35	8.88	9.04	9.20	9.09	8.98
65.0	6.46	6.89	7.32	6.99	6.66	6.50	6.33	6.44	6.54
70.0	4.38	4.41	4.44	4.38	4.33	4.19	4.06	4.33	4.61
75.0	2.45	2.50	2.56	2.59	2.63	2.51	2.40	2.61	2.82
80.0	1.42	1.54	1.66	1.49	1.33	1.47	1.61	1.61	1.60
85.0	0.74	0.70	0.66	0.68	0.69	0.64	0.59	0.61	0.62
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	789.76	N.A.	84.70
0-30	864.96	N.A.	92.80
0-40	892.68	N.A.	95.70
0-60	922.31	N.A.	98.90
0-80	931.73	N.A.	99.90
0-90	932.49	N.A.	100.00
10-90	436.74	N.A.	46.80
20-40	102.92	N.A.	11.00
20-50	120.86	N.A.	13.00
40-70	36.20	N.A.	3.90
60-80	9.42	N.A.	1.00
70-80	2.85	N.A.	0.30
80-90	0.76	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	932.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	495.75
10-20	294.00
20-30	75.20
30-40	27.72
40-50	17.94
50-60	11.69
60-70	6.57
70-80	2.85
80-90	0.76
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

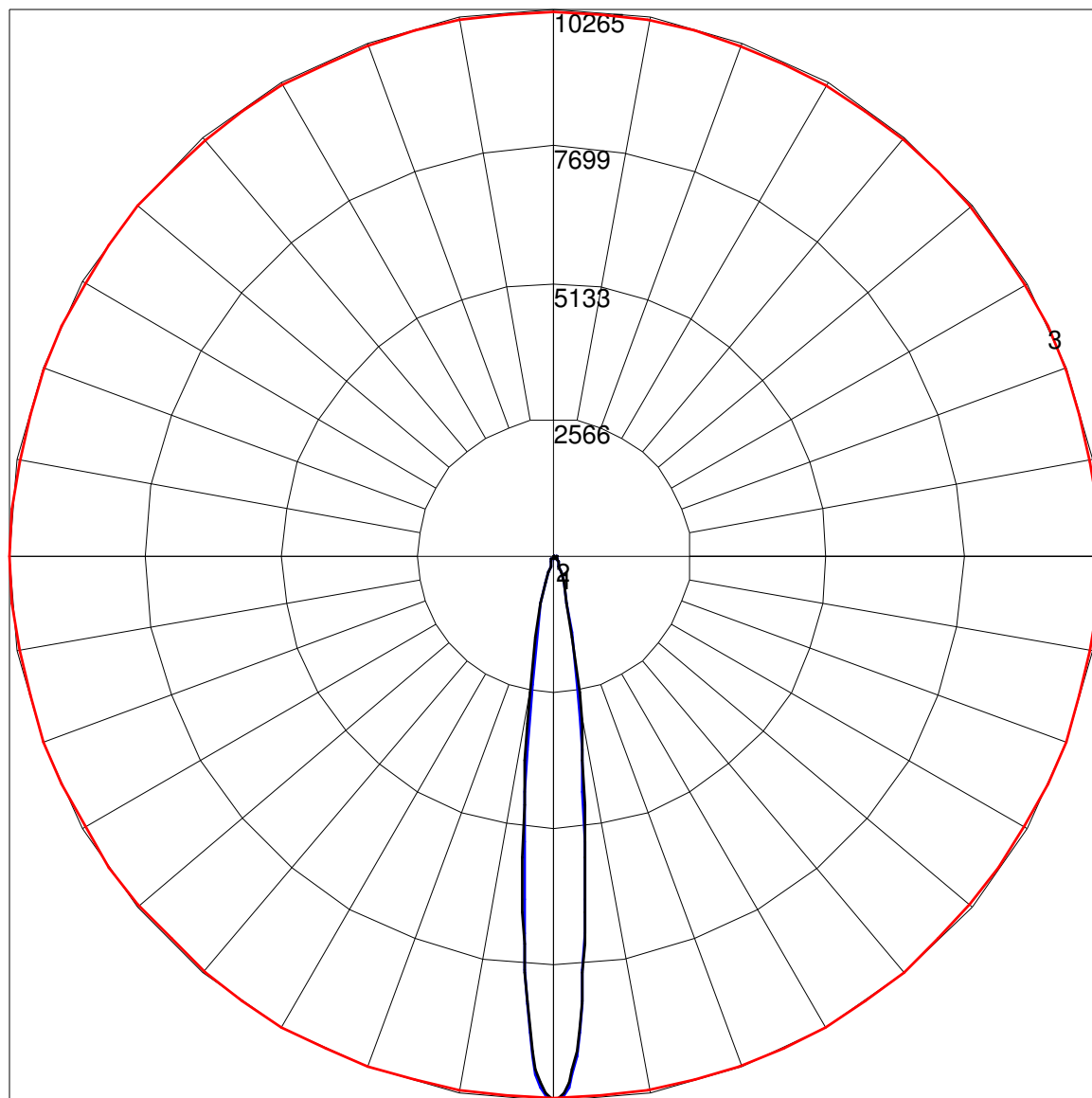
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	106	101	97	94	104	100	96	94	98	95	93	96	93	92	94	92	91	89
5	103	98	94	91	102	97	93	91	95	92	90	94	91	89	92	90	88	87
6	101	95	91	88	99	94	91	88	93	90	88	92	89	87	91	88	86	85
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	87	85	84
8	96	90	87	84	95	90	86	84	89	86	84	88	85	83	87	85	83	82
9	94	88	85	82	93	88	85	82	87	84	82	87	84	82	86	83	82	81
10	92	87	83	81	92	86	83	81	86	83	80	85	82	80	84	82	80	79

POLAR GRAPH



Maximum Candela = 10265.39 Located At Horizontal Angle = 0, Vertical Angle = .5
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 (.5) (Through Max. Cd.)