

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6RX-60115-00-UNVE5-35-NA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3333
 [ECN] 3081
 [TESTLAB] Tempo LLC
 [ISSUE DATE] 1/26/2018 8:56:50 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] C6RX-60115-00-UNVE5-35-NA
 [LUMINAIRE] Natural anodized aluminum housing with frosted glass lens
 [LAMP] Sixteen (16) white LEDs (3500K) with 60 deg x 115 deg optic
 [ELECTRICALS] 120.01 VAC, 0.04 A, 0.9897 PF, 15% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	433
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	4.93
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.10
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	7623	11099	16629
55	5132	7982	14177
65	3691	5869	11689
75	2609	4202	8695
85	1298	2020	3926

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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	246.38	246.38	246.38	246.38	246.38	246.38	246.38	246.38	246.38	246.38
2.5	247.10	246.81	246.52	246.45	246.38	246.24	246.10	246.07	246.02	245.95
5.0	245.88	245.68	245.47	245.31	245.15	245.07	244.98	244.93	244.87	244.83
7.5	243.52	243.30	243.08	242.97	242.85	242.79	242.72	242.72	242.72	242.70
10.0	239.66	239.40	239.14	239.09	239.04	239.15	239.25	239.44	239.63	239.70
12.5	233.57	233.51	233.45	233.63	233.81	234.07	234.32	234.72	235.11	235.43
15.0	225.55	225.51	225.46	225.88	226.28	226.98	227.68	228.49	229.29	229.95
17.5	215.04	215.16	215.27	216.04	216.81	217.90	218.99	220.34	221.68	222.88
20.0	202.11	202.44	202.76	203.96	205.14	206.80	208.45	210.47	212.49	214.33
22.5	187.70	188.10	188.50	190.02	191.53	193.82	196.11	198.87	201.63	204.23
25.0	171.62	172.25	172.86	174.81	176.74	179.55	182.36	185.91	189.45	192.82
27.5	155.09	155.82	156.55	158.77	160.98	164.29	167.60	171.78	175.96	180.15
30.0	138.41	139.24	140.06	142.55	145.04	148.70	152.34	157.09	161.83	166.73
32.5	122.24	123.10	123.97	126.58	129.19	133.07	136.95	142.08	147.21	152.77
35.0	107.07	107.90	108.73	111.36	113.99	117.99	121.98	127.39	132.80	138.77
37.5	93.00	93.85	94.69	97.30	99.90	103.78	107.66	113.16	118.65	124.86
40.0	80.56	81.37	82.17	84.58	86.98	90.71	94.44	99.85	105.25	111.58
42.5	69.69	70.44	71.20	73.37	75.53	79.02	82.50	87.61	92.72	98.91
45.0	60.02	60.83	61.63	63.57	65.50	68.81	72.12	76.72	81.32	87.39
47.5	51.66	52.34	53.02	54.78	56.53	59.59	62.64	66.92	71.19	76.85
50.0	44.38	45.01	45.63	47.19	48.76	51.52	54.27	58.13	61.99	67.29
52.5	38.14	38.70	39.26	40.63	42.00	44.45	46.88	50.35	53.81	58.72
55.0	32.78	33.28	33.78	34.97	36.15	38.30	40.45	43.51	46.56	50.98
57.5	28.14	28.59	29.04	30.08	31.11	32.98	34.84	37.51	40.17	44.10
60.0	24.09	24.48	24.86	25.77	26.67	28.31	29.94	32.26	34.57	38.02
62.5	20.57	20.90	21.22	22.00	22.77	24.19	25.59	27.59	29.57	32.54
65.0	17.37	17.68	17.99	18.65	19.31	20.50	21.69	23.39	25.08	27.62
67.5	14.56	14.80	15.04	15.59	16.15	17.17	18.18	19.62	21.07	23.22
70.0	11.98	12.19	12.39	12.85	13.31	14.16	15.02	16.19	17.35	19.17
72.5	9.65	9.82	9.99	10.37	10.74	11.43	12.12	13.09	14.05	15.49
75.0	7.52	7.67	7.81	8.11	8.39	8.95	9.50	10.24	10.97	12.11
77.5	5.60	5.71	5.81	6.05	6.28	6.70	7.11	7.65	8.19	9.05
80.0	3.91	3.99	4.07	4.23	4.38	4.67	4.95	5.33	5.70	6.30
82.5	2.41	2.49	2.56	2.66	2.75	2.93	3.10	3.33	3.55	3.90
85.0	1.26	1.29	1.32	1.36	1.39	1.49	1.59	1.69	1.79	1.96
87.5	0.45	0.46	0.47	0.48	0.48	0.52	0.54	0.58	0.61	0.64
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	246.38	246.38	246.38	246.38	246.38	246.38	246.38	246.38	246.38
2.5	245.87	245.81	245.75	245.70	245.66	245.61	245.55	245.62	245.69
5.0	244.79	244.71	244.63	244.55	244.47	244.49	244.51	244.51	244.52
7.5	242.67	242.75	242.82	242.70	242.57	242.56	242.55	242.53	242.51
10.0	239.76	239.84	239.91	239.88	239.85	239.87	239.89	239.90	239.90
12.5	235.75	235.98	236.21	236.33	236.44	236.47	236.50	236.53	236.56
15.0	230.60	231.11	231.62	231.86	232.10	232.24	232.37	232.44	232.52
17.5	224.08	224.95	225.82	226.34	226.86	227.13	227.39	227.47	227.54
20.0	216.17	217.64	219.11	219.92	220.73	221.12	221.51	221.68	221.84
22.5	206.82	208.97	211.12	212.36	213.60	214.30	215.00	215.16	215.31
25.0	196.19	199.06	201.94	203.77	205.59	206.60	207.60	207.83	208.05
27.5	184.33	188.03	191.73	194.20	196.66	197.97	199.29	199.66	200.03
30.0	171.64	176.14	180.64	183.76	186.87	188.61	190.35	190.86	191.37

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32.5	158.32	163.58	168.83	172.60	176.36	178.55	180.73	181.27	181.80
35.0	144.74	150.59	156.44	160.85	165.26	167.90	170.54	171.29	172.04
37.5	131.07	137.44	143.81	148.84	153.85	157.00	160.13	161.03	161.92
40.0	117.90	124.52	131.14	136.69	142.23	145.84	149.44	150.56	151.68
42.5	105.11	111.93	118.75	124.67	130.58	134.60	138.63	139.94	141.25
45.0	93.47	100.10	106.72	113.03	119.34	123.59	127.83	129.39	130.94
47.5	82.49	88.94	95.38	101.84	108.29	112.78	117.27	118.92	120.56
50.0	72.58	78.68	84.78	91.13	97.47	102.12	106.77	108.57	110.36
52.5	63.62	69.34	75.05	81.18	87.29	91.96	96.62	98.49	100.36
55.0	55.40	60.74	66.08	71.96	77.83	82.36	86.89	88.72	90.55
57.5	48.03	52.89	57.75	63.35	68.96	73.26	77.55	79.39	81.22
60.0	41.46	45.78	50.11	55.27	60.42	64.60	68.76	70.47	72.18
62.5	35.51	39.34	43.17	47.81	52.45	56.32	60.19	61.84	63.49
65.0	30.16	33.49	36.82	40.92	45.01	48.49	51.97	53.49	55.01
67.5	25.36	28.17	30.98	34.52	38.07	41.12	44.17	45.50	46.83
70.0	20.98	23.32	25.65	28.65	31.65	34.23	36.82	37.99	39.15
72.5	16.92	18.85	20.77	23.22	25.67	27.81	29.95	30.90	31.84
75.0	13.24	14.75	16.26	18.21	20.16	21.85	23.54	24.30	25.06
77.5	9.90	11.02	12.13	13.59	15.05	16.35	17.64	18.16	18.68
80.0	6.90	7.66	8.40	9.42	10.43	11.33	12.23	12.59	12.95
82.5	4.25	4.71	5.17	5.80	6.42	6.96	7.49	7.71	7.94
85.0	2.13	2.34	2.54	2.84	3.13	3.37	3.60	3.71	3.81
87.5	0.68	0.73	0.78	0.84	0.90	0.95	0.99	1.00	1.02
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	87.53	N.A.	20.20
0-30	175.15	N.A.	40.40
0-40	262.19	N.A.	60.50
0-60	383.59	N.A.	88.60
0-80	430.15	N.A.	99.30
0-90	433.16	N.A.	100.00
10-90	409.95	N.A.	94.60
20-40	174.66	N.A.	40.30
20-50	245.53	N.A.	56.70
40-70	152.93	N.A.	35.30
60-80	46.56	N.A.	10.70
70-80	15.03	N.A.	3.50
80-90	3.00	N.A.	0.70
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	433.16	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	23.21
10-20	64.32
20-30	87.62
30-40	87.04
40-50	70.86
50-60	50.54
60-70	31.53
70-80	15.03
80-90	3.00
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

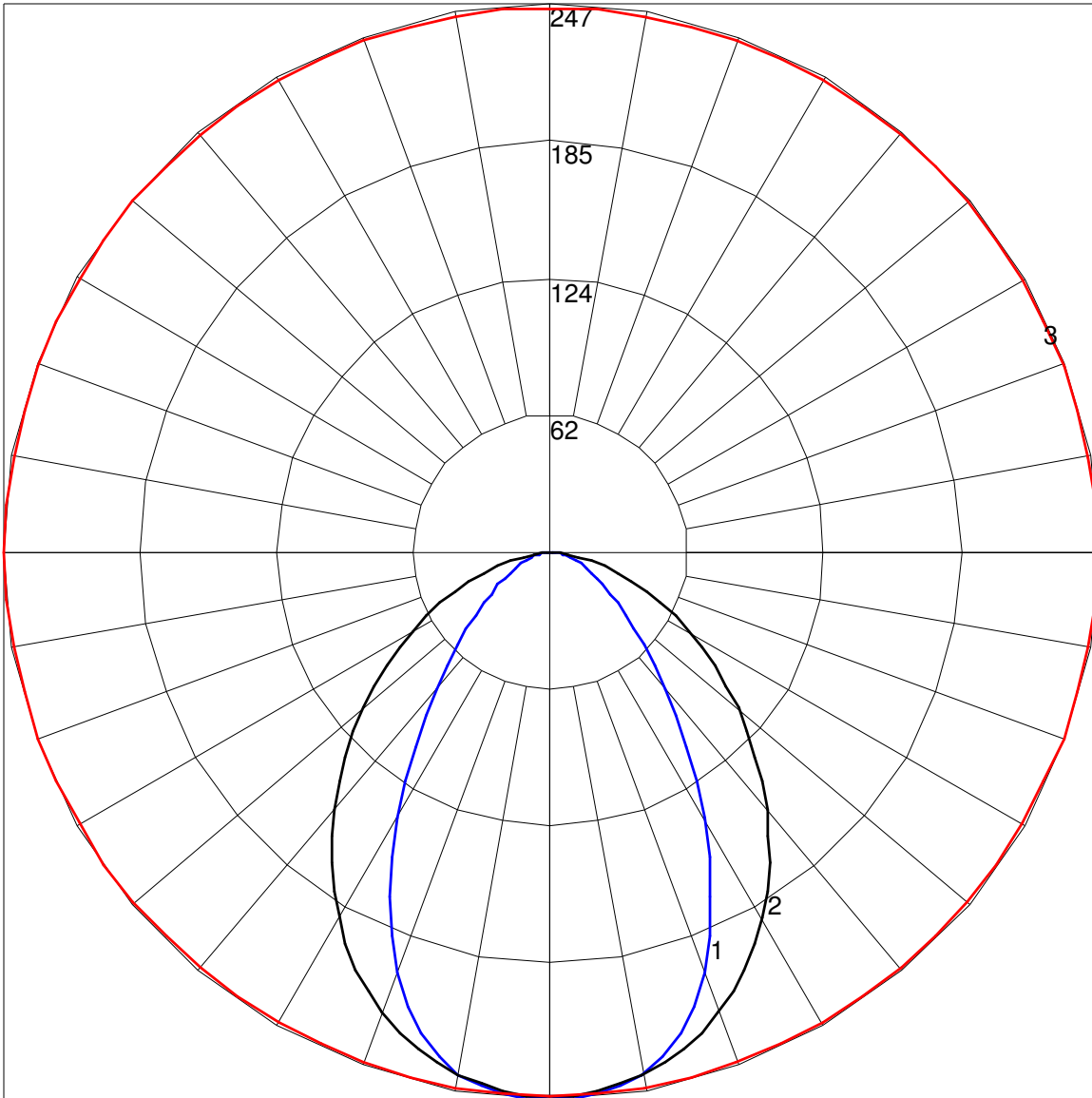
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	103	100	108	105	101	98	100	98	95	97	94	93	93	91	90	88	88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76	76
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67	67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	69	65	61	59	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53	53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47	47
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36	36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33	33

POLAR GRAPH



Maximum Candela = 247.1 Located At Horizontal Angle = 0, Vertical Angle = 2.5
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 (2.5) (Through Max. Cd.)