

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568396

Luminaire Tested: **22CGTX-20-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-20-L835
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

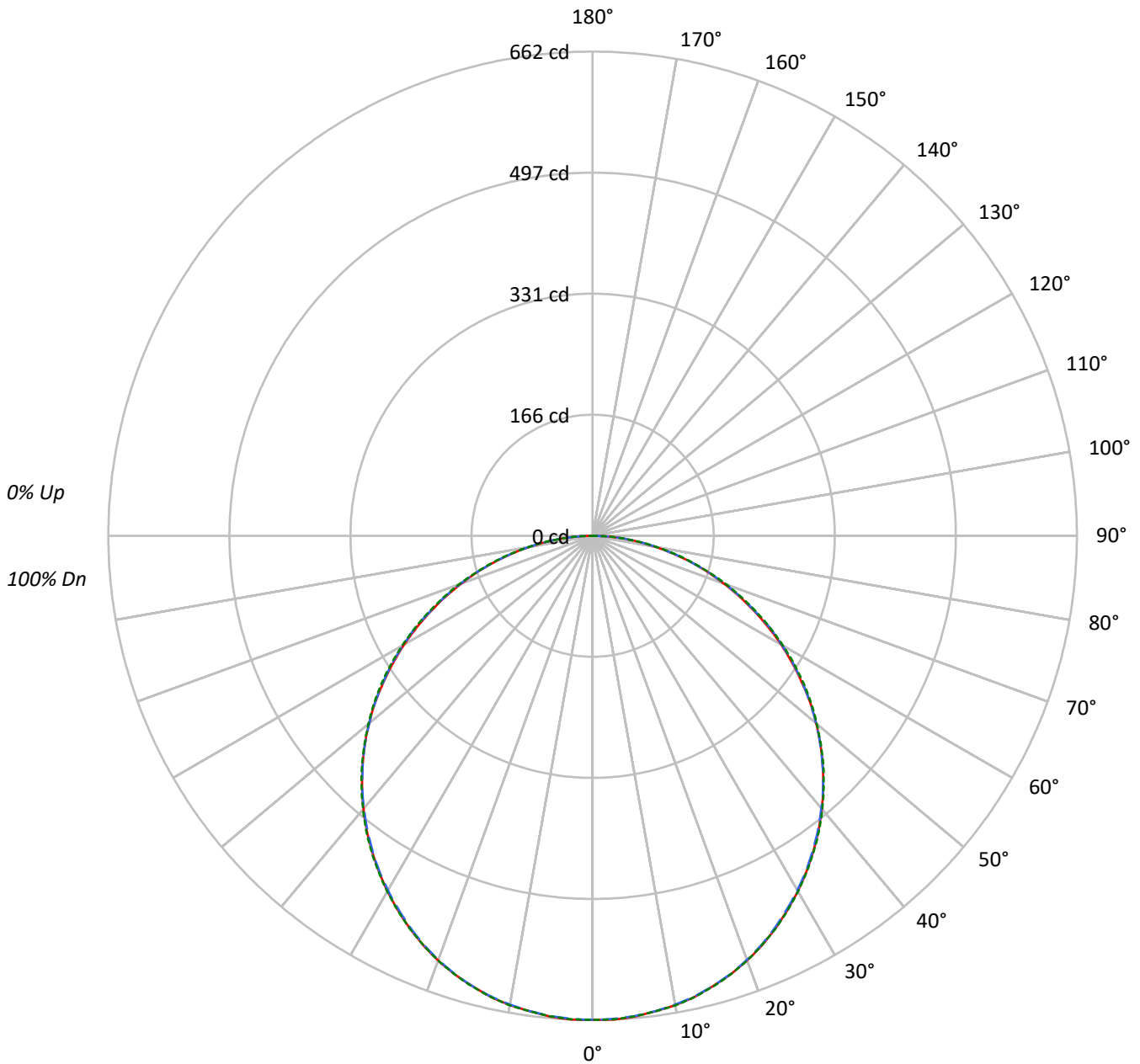
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1937.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42								
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37								
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33								
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1781	1781	1781
5°	1783	1781	1781
10°	1780	1779	1781
15°	1775	1775	1777
20°	1770	1767	1770
25°	1757	1754	1759
30°	1743	1739	1745
35°	1728	1725	1731
40°	1712	1709	1716
45°	1693	1692	1698
50°	1670	1669	1675
55°	1637	1642	1652
60°	1601	1608	1618
65°	1554	1564	1577
70°	1500	1515	1528
75°	1440	1450	1467
80°	1354	1370	1379
85°	1232	1241	1263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	3.2
10°-20°	179.8	9.3
20°-30°	272.5	14.1
30°-40°	329.1	17.0
40°-50°	343.3	17.7
50°-60°	313.1	16.2
60°-70°	243.4	12.6
70°-80°	147.6	7.6
80°-90°	45.5	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	515.0	26.6
0°-40°	844.0	43.6
0°-60°	1500.5	77.5
0°-90°	1937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	660	659	659	659	660	63
15°	637	637	637	637	638	180
25°	592	591	591	592	592	273
35°	526	525	525	527	527	329
45°	445	444	444	446	446	343
55°	349	350	350	351	352	312
65°	244	245	246	247	248	242
75°	138	138	140	141	141	146
85°	40	40	40	41	41	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	661.8	661.8	661.8	661.8	661.8
2.5°	662.2	661.2	661.2	660.8	661.8
5°	659.9	658.9	659.2	658.9	659.5
7.5°	655.9	655.2	655.6	655.2	655.9
10°	651.6	651.0	651.0	651.0	651.9
12.5°	645.7	645.0	645.0	645.0	645.7
15°	637.1	637.1	637.1	637.1	637.8
17.5°	628.5	627.5	627.9	627.5	628.5
20°	618.0	616.7	617.0	617.0	618.0
22.5°	605.8	604.5	604.8	604.8	605.4
25°	591.9	590.6	590.6	591.6	592.3
27.5°	576.8	575.8	575.4	577.1	577.4
30°	560.9	560.3	559.6	561.3	561.6
32.5°	544.1	543.4	543.1	544.8	544.8
35°	526.0	525.3	525.0	527.0	527.0
37.5°	507.2	506.8	506.2	508.2	508.5
40°	487.4	486.7	486.4	488.4	488.4
42.5°	466.6	466.0	466.3	467.9	467.6
45°	444.8	444.5	444.5	446.5	446.2
47.5°	422.4	421.8	422.1	424.1	423.4
50°	399.0	398.4	398.7	400.7	400.0
52.5°	374.9	374.3	374.9	376.9	376.9
55°	348.9	349.5	349.9	350.9	352.2
57.5°	323.5	323.8	325.1	325.8	326.8
60°	297.4	298.1	298.8	300.1	300.7
62.5°	270.7	271.7	273.7	273.7	274.4
65°	244.0	244.7	245.7	246.7	247.7
67.5°	217.6	218.0	219.6	220.0	220.9
70°	190.6	190.9	192.6	192.9	194.2
72.5°	164.9	164.6	165.9	167.5	167.5
75°	138.5	138.2	139.5	140.8	141.1
77.5°	112.8	112.4	113.4	115.1	115.1
80°	87.4	88.0	88.4	89.7	89.0
82.5°	63.0	63.3	63.6	64.6	64.0
85°	39.9	40.2	40.2	41.2	40.9
87.5°	18.8	18.5	18.5	19.1	18.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)