

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: P568390

Luminaire Tested: **22CGTX-35-L830**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568390
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-35-L830
Description: 2X2 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

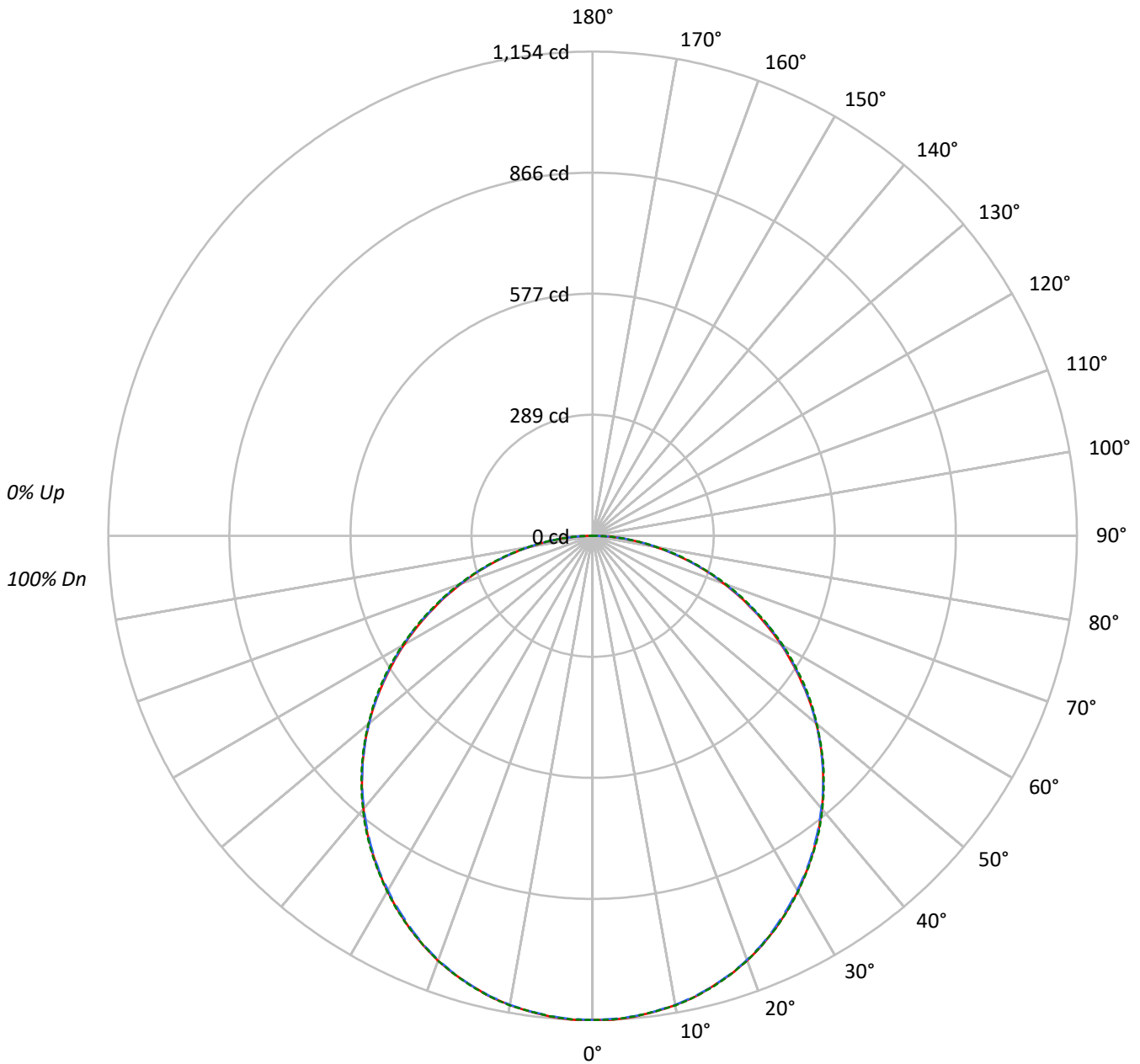
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3377.0 lumens
Efficiency: N/A
Efficacy: 121.0 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): 27.9
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				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				100
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69				69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37				37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33				33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29				29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26				26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3105	3105	3105
5°	3108	3105	3106
10°	3104	3101	3106
15°	3094	3094	3098
20°	3085	3080	3085
25°	3064	3057	3066
30°	3039	3031	3042
35°	3012	3007	3018
40°	2985	2979	2991
45°	2952	2949	2960
50°	2912	2910	2920
55°	2854	2862	2881
60°	2791	2803	2822
65°	2709	2727	2749
70°	2615	2641	2664
75°	2511	2529	2559
80°	2362	2388	2405
85°	2149	2164	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	3.2
10°-20°	313.5	9.3
20°-30°	475.0	14.1
30°-40°	573.7	17.0
40°-50°	598.6	17.7
50°-60°	545.9	16.2
60°-70°	424.3	12.6
70°-80°	257.4	7.6
80°-90°	79.4	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°	897.8	26.6
0°-40°	1471.5	43.6
0°-60°	2616.0	77.5
0°-90°	3377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1150	1149	1149	1149	1150	109
15°	1111	1111	1111	1111	1112	314
25°	1032	1030	1030	1031	1032	476
35°	917	916	915	919	919	574
45°	776	775	775	778	778	598
55°	608	609	610	612	614	544
65°	425	427	428	430	432	421
75°	242	241	243	246	246	255
85°	70	70	70	72	71	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1153.9	1153.9	1153.9	1153.9	1153.9
2.5°	1154.4	1152.7	1152.7	1152.1	1153.9
5°	1150.4	1148.7	1149.3	1148.7	1149.8
7.5°	1143.5	1142.4	1142.9	1142.4	1143.5
10°	1136.0	1134.9	1134.9	1134.9	1136.6
12.5°	1125.7	1124.5	1124.5	1124.5	1125.7
15°	1110.7	1110.7	1110.7	1110.7	1111.9
17.5°	1095.8	1094.1	1094.6	1094.1	1095.8
20°	1077.4	1075.1	1075.7	1075.7	1077.4
22.5°	1056.1	1053.8	1054.4	1054.4	1055.5
25°	1032.0	1029.7	1029.7	1031.4	1032.5
27.5°	1005.5	1003.8	1003.2	1006.1	1006.7
30°	977.9	976.8	975.6	978.5	979.1
32.5°	948.6	947.5	946.9	949.8	949.8
35°	917.0	915.8	915.3	918.7	918.7
37.5°	884.2	883.6	882.5	885.9	886.5
40°	849.7	848.6	848.0	851.4	851.4
42.5°	813.5	812.4	812.9	815.8	815.2
45°	775.6	775.0	775.0	778.4	777.9
47.5°	736.5	735.3	735.9	739.3	738.2
50°	695.6	694.5	695.1	698.5	697.4
52.5°	653.7	652.5	653.7	657.1	657.1
55°	608.3	609.4	610.0	611.7	614.0
57.5°	564.0	564.6	566.9	568.0	569.7
60°	518.6	519.7	520.9	523.2	524.3
62.5°	472.0	473.7	477.2	477.2	478.3
65°	425.4	426.6	428.3	430.0	431.8
67.5°	379.4	380.0	382.9	383.5	385.2
70°	332.3	332.9	335.7	336.3	338.6
72.5°	287.5	286.9	289.2	292.1	292.1
75°	241.5	240.9	243.2	245.5	246.1
77.5°	196.6	196.0	197.8	200.6	200.6
80°	152.4	153.5	154.1	156.4	155.2
82.5°	109.8	110.4	111.0	112.7	111.5
85°	69.6	70.1	70.1	71.9	71.3
87.5°	32.8	32.2	32.2	33.3	32.8
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)