

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: P568406

Luminaire Tested: **22CGTX-35-L840**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568406
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-L840
Description: 2X2 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND
4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

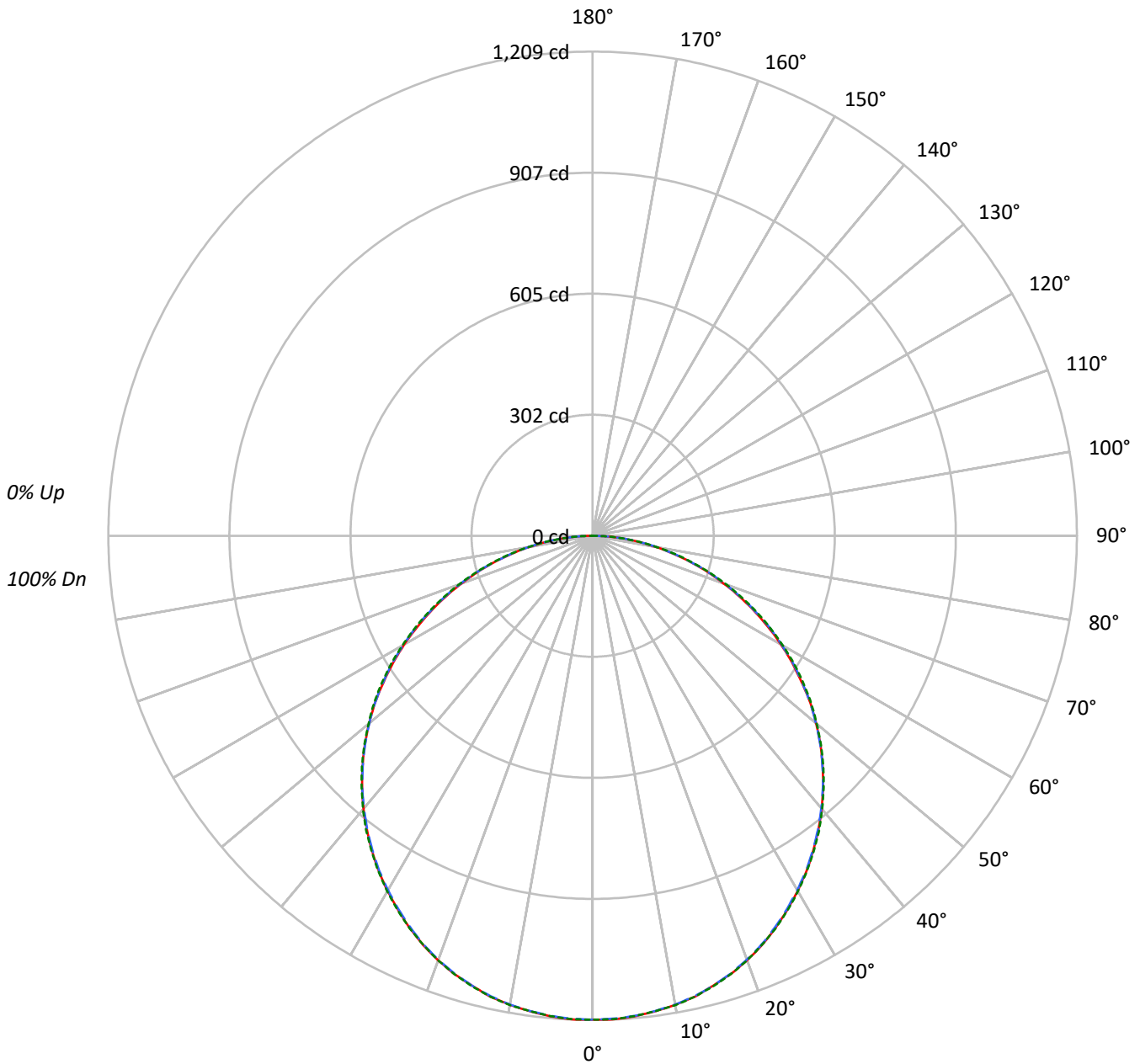
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3536.0 lumens
Efficiency: N/A
Efficacy: 126.7 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					
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°	3251	3251	3251
5°	3254	3251	3252
10°	3250	3247	3252
15°	3240	3240	3243
20°	3231	3225	3231
25°	3208	3201	3210
30°	3182	3174	3186
35°	3154	3148	3160
40°	3125	3119	3132
45°	3091	3088	3100
50°	3049	3047	3057
55°	2988	2997	3016
60°	2922	2935	2955
65°	2837	2856	2879
70°	2737	2766	2790
75°	2628	2647	2678
80°	2472	2500	2518
85°	2248	2266	2303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	3.2
10°-20°	328.3	9.3
20°-30°	497.4	14.1
30°-40°	600.7	17.0
40°-50°	626.7	17.7
50°-60°	571.6	16.2
60°-70°	444.3	12.6
70°-80°	269.5	7.6
80°-90°	83.1	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°	940.1	26.6
0°-40°	1540.8	43.6
0°-60°	2739.1	77.5
0°-90°	3536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1208	1208	1208	1208	1208	
5°	1205	1203	1203	1203	1204	114
15°	1163	1163	1163	1163	1164	328
25°	1081	1078	1078	1080	1081	498
35°	960	959	958	962	962	601
45°	812	812	812	815	814	626
55°	637	638	639	640	643	570
65°	446	447	448	450	452	441
75°	253	252	255	257	258	267
85°	73	73	73	75	75	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1208.2	1208.2	1208.2	1208.2	1208.2
2.5°	1208.8	1207.0	1207.0	1206.4	1208.2
5°	1204.6	1202.8	1203.4	1202.8	1204.0
7.5°	1197.3	1196.1	1196.7	1196.1	1197.3
10°	1189.5	1188.3	1188.3	1188.3	1190.1
12.5°	1178.7	1177.5	1177.5	1177.5	1178.7
15°	1163.0	1163.0	1163.0	1163.0	1164.2
17.5°	1147.4	1145.6	1146.2	1145.6	1147.4
20°	1128.1	1125.7	1126.3	1126.3	1128.1
22.5°	1105.8	1103.4	1104.0	1104.0	1105.2
25°	1080.6	1078.2	1078.2	1080.0	1081.2
27.5°	1052.9	1051.1	1050.5	1053.5	1054.1
30°	1024.0	1022.8	1021.6	1024.6	1025.2
32.5°	993.3	992.1	991.5	994.5	994.5
35°	960.2	959.0	958.4	962.0	962.0
37.5°	925.8	925.2	924.0	927.7	928.3
40°	889.7	888.5	887.9	891.5	891.5
42.5°	851.8	850.6	851.2	854.2	853.6
45°	812.1	811.5	811.5	815.1	814.5
47.5°	771.1	769.9	770.5	774.1	772.9
50°	728.4	727.2	727.8	731.4	730.2
52.5°	684.5	683.3	684.5	688.1	688.1
55°	636.9	638.1	638.7	640.5	642.9
57.5°	590.5	591.1	593.6	594.8	596.6
60°	543.0	544.2	545.4	547.8	549.0
62.5°	494.2	496.0	499.6	499.6	500.8
65°	445.5	446.7	448.5	450.3	452.1
67.5°	397.3	397.9	400.9	401.5	403.3
70°	347.9	348.5	351.6	352.2	354.6
72.5°	301.0	300.4	302.8	305.8	305.8
75°	252.8	252.2	254.6	257.0	257.6
77.5°	205.9	205.3	207.1	210.1	210.1
80°	159.5	160.7	161.3	163.7	162.5
82.5°	115.0	115.6	116.2	118.0	116.8
85°	72.8	73.4	73.4	75.2	74.6
87.5°	34.3	33.7	33.7	34.9	34.3
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)