

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: P568410

Luminaire Tested: **22CGTX-35-L940**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568410
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-L940
Description: 2X2 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND
4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

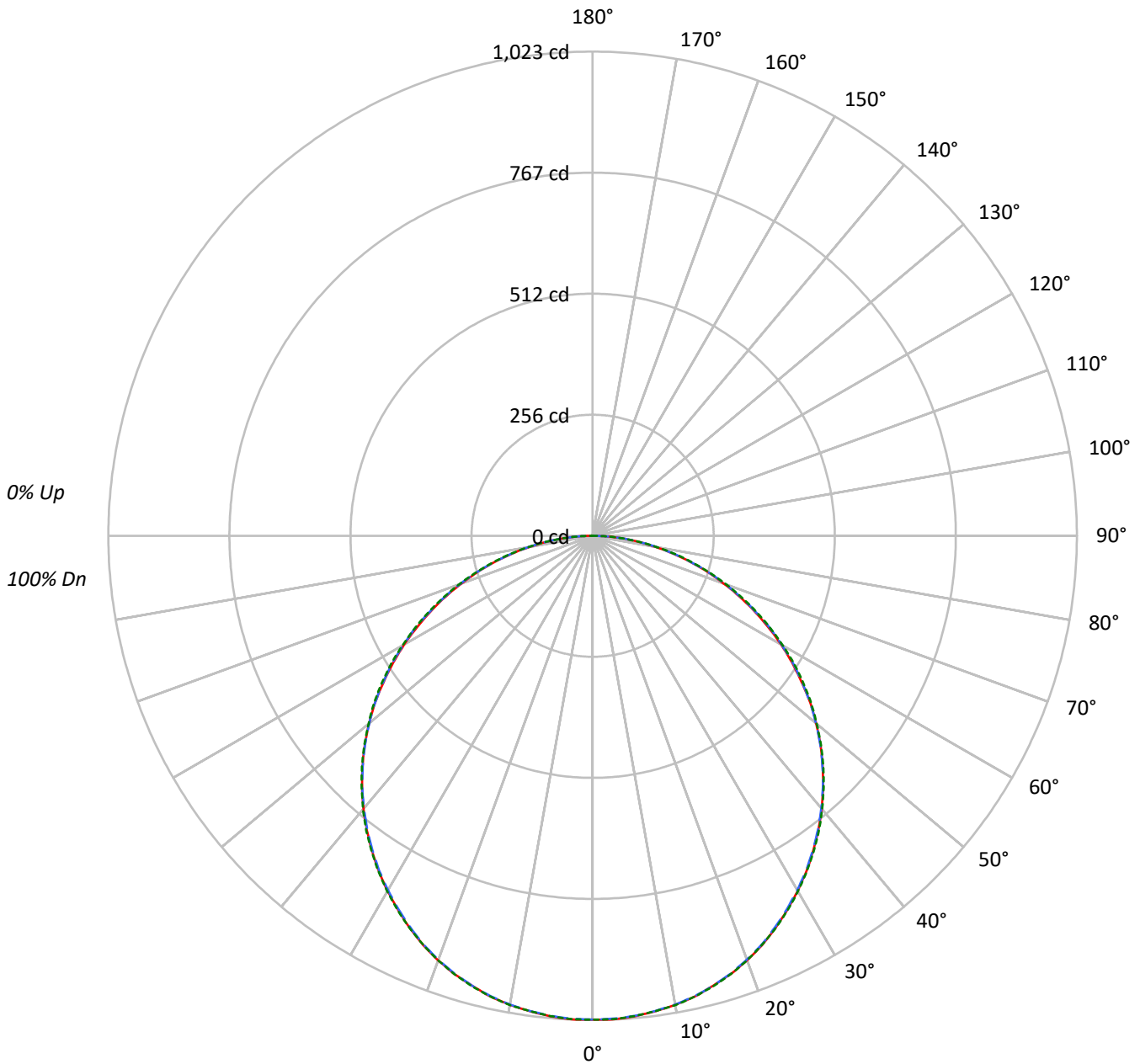
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2992.0 lumens
Efficiency: N/A
Efficacy: 107.2 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									
RC	80									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°	2751	2751	2751
5°	2753	2750	2752
10°	2750	2748	2752
15°	2742	2742	2744
20°	2734	2729	2734
25°	2715	2709	2716
30°	2692	2686	2696
35°	2669	2664	2674
40°	2644	2639	2650
45°	2615	2613	2623
50°	2580	2578	2587
55°	2528	2535	2552
60°	2473	2484	2500
65°	2400	2416	2436
70°	2316	2341	2360
75°	2224	2241	2267
80°	2092	2115	2131
85°	1902	1917	1951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.2
10°-20°	277.8	9.3
20°-30°	420.9	14.1
30°-40°	508.3	17.0
40°-50°	530.3	17.7
50°-60°	483.7	16.2
60°-70°	375.9	12.6
70°-80°	228.0	7.6
80°-90°	70.3	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°	795.4	26.6
0°-40°	1303.7	43.6
0°-60°	2317.7	77.5
0°-90°	2992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1019	1018	1018	1018	1019	97
15°	984	984	984	984	985	278
25°	914	912	912	914	915	421
35°	812	811	811	814	814	508
45°	687	687	687	690	689	530
55°	539	540	540	542	544	482
65°	377	378	380	381	382	373
75°	214	213	216	218	218	226
85°	62	62	62	64	63	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1022.3	1022.3	1022.3	1022.3	1022.3
2.5°	1022.8	1021.3	1021.3	1020.8	1022.3
5°	1019.2	1017.7	1018.2	1017.7	1018.7
7.5°	1013.1	1012.1	1012.6	1012.1	1013.1
10°	1006.5	1005.5	1005.5	1005.5	1007.0
12.5°	997.3	996.3	996.3	996.3	997.3
15°	984.1	984.1	984.1	984.1	985.1
17.5°	970.9	969.3	969.8	969.3	970.9
20°	954.6	952.5	953.0	953.0	954.6
22.5°	935.7	933.7	934.2	934.2	935.2
25°	914.3	912.3	912.3	913.8	914.8
27.5°	890.9	889.4	888.9	891.4	891.9
30°	866.4	865.4	864.4	866.9	867.5
32.5°	840.5	839.4	838.9	841.5	841.5
35°	812.4	811.4	810.9	814.0	814.0
37.5°	783.4	782.9	781.9	784.9	785.4
40°	752.8	751.8	751.3	754.4	754.4
42.5°	720.8	719.7	720.2	722.8	722.3
45°	687.1	686.6	686.6	689.7	689.2
47.5°	652.5	651.5	652.0	655.0	654.0
50°	616.3	615.3	615.8	618.9	617.9
52.5°	579.2	578.1	579.2	582.2	582.2
55°	538.9	539.9	540.4	542.0	544.0
57.5°	499.7	500.2	502.2	503.3	504.8
60°	459.5	460.5	461.5	463.5	464.5
62.5°	418.2	419.7	422.8	422.8	423.8
65°	376.9	378.0	379.5	381.0	382.5
67.5°	336.2	336.7	339.2	339.7	341.3
70°	294.4	294.9	297.5	298.0	300.0
72.5°	254.7	254.2	256.2	258.8	258.8
75°	213.9	213.4	215.5	217.5	218.0
77.5°	174.2	173.7	175.2	177.8	177.8
80°	135.0	136.0	136.5	138.5	137.5
82.5°	97.3	97.8	98.3	99.8	98.8
85°	61.6	62.1	62.1	63.7	63.2
87.5°	29.0	28.5	28.5	29.5	29.0
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)