

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: P568402

Luminaire Tested: **22CGTX-35-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568402
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-L935
Description: 2X2 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

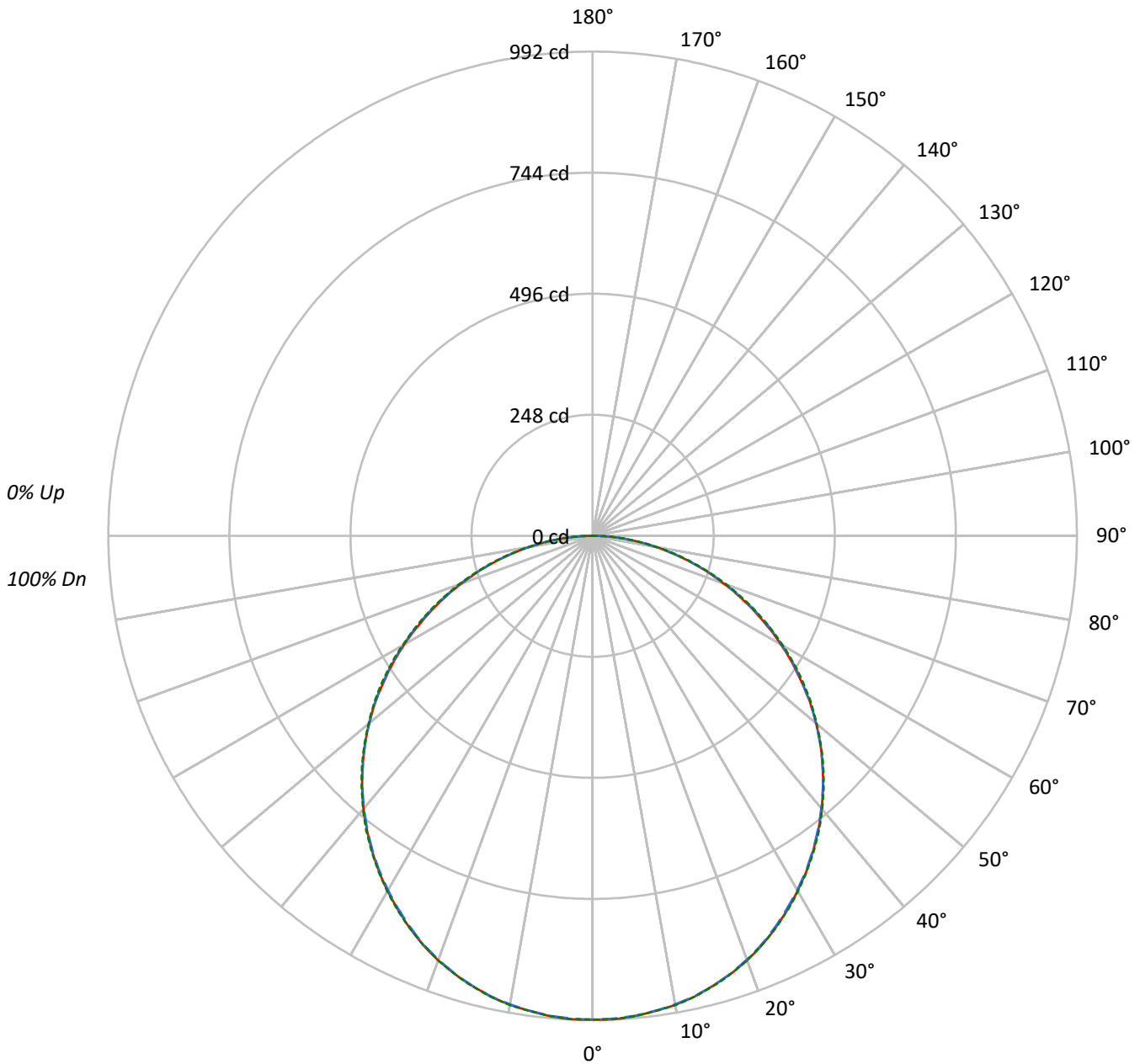
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2901.0 lumens
Efficiency: N/A
Efficacy: 104.0 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					
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°	2667	2667	2667
5°	2669	2667	2668
10°	2667	2664	2668
15°	2658	2658	2661
20°	2650	2646	2650
25°	2632	2626	2634
30°	2610	2604	2614
35°	2588	2583	2593
40°	2564	2559	2569
45°	2535	2533	2543
50°	2502	2500	2508
55°	2451	2458	2475
60°	2398	2408	2424
65°	2327	2343	2362
70°	2246	2269	2289
75°	2156	2172	2198
80°	2029	2052	2066
85°	1846	1862	1890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	3.2
10°-20°	269.3	9.3
20°-30°	408.1	14.1
30°-40°	492.9	17.0
40°-50°	514.2	17.7
50°-60°	469.0	16.2
60°-70°	364.5	12.6
70°-80°	221.1	7.6
80°-90°	68.2	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°	771.2	26.6
0°-40°	1264.1	43.6
0°-60°	2247.2	77.5
0°-90°	2901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2901.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	988	987	987	987	988	94
15°	954	954	954	954	955	269
25°	886	884	884	886	887	409
35°	788	787	786	789	789	493
45°	666	666	666	669	668	514
55°	522	524	524	526	528	467
65°	366	366	368	369	371	362
75°	207	207	209	211	211	219
85°	60	60	60	62	61	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.2	991.2	991.2	991.2	991.2
2.5°	991.7	990.2	990.2	989.7	991.2
5°	988.2	986.8	987.3	986.8	987.8
7.5°	982.3	981.3	981.8	981.3	982.3
10°	975.9	974.9	974.9	974.9	976.4
12.5°	967.0	966.0	966.0	966.0	967.0
15°	954.2	954.2	954.2	954.2	955.2
17.5°	941.3	939.8	940.3	939.8	941.3
20°	925.5	923.6	924.0	924.0	925.5
22.5°	907.3	905.3	905.8	905.8	906.8
25°	886.5	884.5	884.5	886.0	887.0
27.5°	863.8	862.3	861.8	864.3	864.8
30°	840.1	839.1	838.1	840.6	841.1
32.5°	814.9	813.9	813.4	815.9	815.9
35°	787.7	786.7	786.3	789.2	789.2
37.5°	759.6	759.1	758.1	761.1	761.6
40°	730.0	729.0	728.5	731.4	731.4
42.5°	698.8	697.8	698.3	700.8	700.3
45°	666.2	665.7	665.7	668.7	668.2
47.5°	632.7	631.7	632.2	635.1	634.1
50°	597.6	596.6	597.1	600.1	599.1
52.5°	561.5	560.6	561.5	564.5	564.5
55°	522.5	523.5	524.0	525.5	527.5
57.5°	484.5	485.0	487.0	488.0	489.4
60°	445.5	446.5	447.5	449.4	450.4
62.5°	405.5	407.0	409.9	409.9	410.9
65°	365.5	366.5	367.9	369.4	370.9
67.5°	326.0	326.5	328.9	329.4	330.9
70°	285.5	286.0	288.4	288.9	290.9
72.5°	246.9	246.4	248.4	250.9	250.9
75°	207.4	206.9	208.9	210.9	211.4
77.5°	168.9	168.4	169.9	172.4	172.4
80°	130.9	131.9	132.4	134.3	133.3
82.5°	94.3	94.8	95.3	96.8	95.8
85°	59.8	60.3	60.3	61.7	61.2
87.5°	28.2	27.7	27.7	28.6	28.2
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)