

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: P568418

Luminaire Tested: **22CGTX-35-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568418
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-L950
Description: 2X2 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

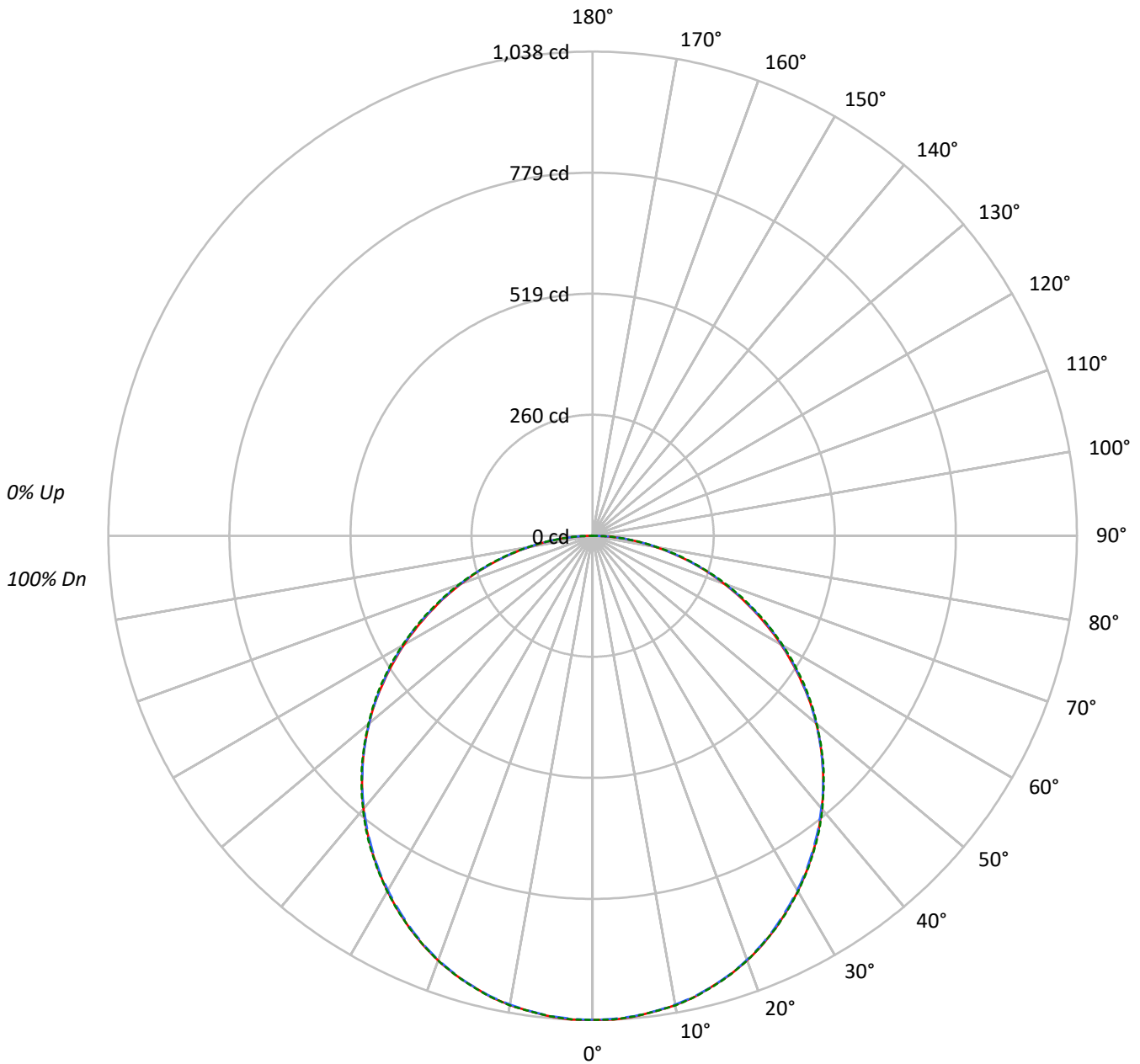
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3037.0 lumens
Efficiency: N/A
Efficacy: 108.9 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°	2792	2792	2792
5°	2795	2792	2793
10°	2792	2789	2793
15°	2783	2783	2786
20°	2775	2770	2775
25°	2756	2749	2757
30°	2733	2726	2736
35°	2709	2704	2714
40°	2684	2679	2690
45°	2654	2653	2662
50°	2619	2617	2626
55°	2566	2574	2591
60°	2510	2521	2538
65°	2436	2453	2472
70°	2351	2375	2396
75°	2258	2274	2301
80°	2123	2148	2163
85°	1933	1948	1979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	3.2
10°-20°	281.9	9.3
20°-30°	427.2	14.1
30°-40°	516.0	17.0
40°-50°	538.3	17.7
50°-60°	490.9	16.2
60°-70°	381.6	12.6
70°-80°	231.5	7.6
80°-90°	71.4	2.4
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°	807.4	26.6
0°-40°	1323.3	43.6
0°-60°	2352.6	77.5
0°-90°	3037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1035	1033	1034	1033	1034	98
15°	999	999	999	999	1000	282
25°	928	926	926	928	929	428
35°	825	824	823	826	826	516
45°	698	697	697	700	700	538
55°	547	548	549	550	552	489
65°	383	384	385	387	388	379
75°	217	217	219	221	221	230
85°	63	63	63	65	64	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1038.2	1036.6	1036.6	1036.1	1037.7
5°	1034.6	1033.0	1033.5	1033.0	1034.1
7.5°	1028.4	1027.3	1027.9	1027.3	1028.4
10°	1021.7	1020.6	1020.6	1020.6	1022.2
12.5°	1012.3	1011.3	1011.3	1011.3	1012.3
15°	998.9	998.9	998.9	998.9	999.9
17.5°	985.5	983.9	984.4	983.9	985.5
20°	968.9	966.8	967.4	967.4	968.9
22.5°	949.8	947.7	948.2	948.2	949.3
25°	928.1	926.0	926.0	927.6	928.6
27.5°	904.3	902.7	902.2	904.8	905.3
30°	879.5	878.4	877.4	880.0	880.5
32.5°	853.1	852.1	851.5	854.1	854.1
35°	824.7	823.6	823.1	826.2	826.2
37.5°	795.2	794.7	793.6	796.7	797.3
40°	764.2	763.1	762.6	765.7	765.7
42.5°	731.6	730.6	731.1	733.7	733.1
45°	697.5	697.0	697.0	700.1	699.5
47.5°	662.3	661.3	661.8	664.9	663.9
50°	625.6	624.6	625.1	628.2	627.2
52.5°	587.9	586.8	587.9	591.0	591.0
55°	547.0	548.1	548.6	550.1	552.2
57.5°	507.2	507.7	509.8	510.8	512.4
60°	466.4	467.4	468.4	470.5	471.5
62.5°	424.5	426.0	429.1	429.1	430.2
65°	382.6	383.6	385.2	386.7	388.3
67.5°	341.2	341.8	344.3	344.9	346.4
70°	298.8	299.4	301.9	302.5	304.5
72.5°	258.5	258.0	260.1	262.7	262.7
75°	217.2	216.6	218.7	220.8	221.3
77.5°	176.8	176.3	177.9	180.4	180.4
80°	137.0	138.0	138.6	140.6	139.6
82.5°	98.8	99.3	99.8	101.3	100.3
85°	62.6	63.1	63.1	64.6	64.1
87.5°	29.5	29.0	29.0	30.0	29.5
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)