

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: P568360

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

Issue Date: 9/19/2022

**Test Information**

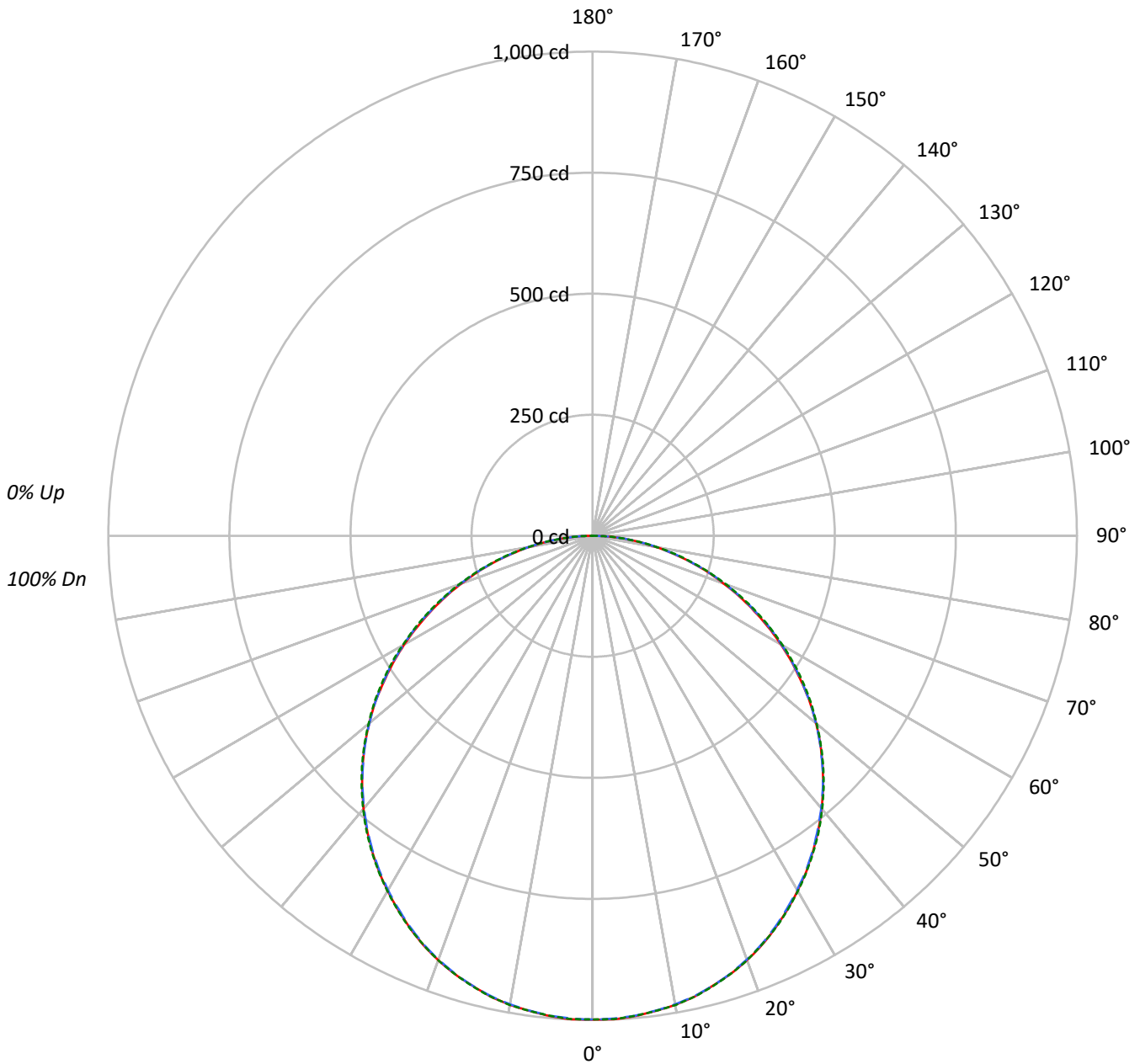
Test Method: LM-79-08  
Report Number: P568360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-35HE-L935  
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2924.0 lumens  
Efficiency: N/A  
Efficacy: 107.5 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): 27.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	2689	2689	2689
5°	2691	2688	2689
10°	2688	2685	2689
15°	2679	2679	2682
20°	2672	2667	2672
25°	2653	2647	2654
30°	2631	2625	2634
35°	2608	2603	2613
40°	2584	2579	2590
45°	2555	2554	2563
50°	2521	2519	2528
55°	2471	2478	2494
60°	2416	2427	2443
65°	2346	2362	2380
70°	2264	2287	2307
75°	2174	2190	2216
80°	2044	2067	2083
85°	1859	1874	1905



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	3.2
10°-20°	271.4	9.3
20°-30°	411.3	14.1
30°-40°	496.8	17.0
40°-50°	518.3	17.7
50°-60°	472.7	16.2
60°-70°	367.4	12.6
70°-80°	222.9	7.6
80°-90°	68.7	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°	777.3	26.6
0°-40°	1274.1	43.6
0°-60°	2265.0	77.5
0°-90°	2924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2924.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	999	999	999	999	999	
5°	996	995	995	995	996	95
15°	962	962	962	962	963	272
25°	894	892	892	893	894	412
35°	794	793	792	796	796	497
45°	672	671	671	674	674	518
55°	527	528	528	530	532	471
65°	368	369	371	372	374	365
75°	209	209	211	213	213	221
85°	60	61	61	62	62	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	999.1	999.1	999.1	999.1	999.1
2.5°	999.6	998.1	998.1	997.6	999.1
5°	996.1	994.6	995.1	994.6	995.6
7.5°	990.1	989.1	989.6	989.1	990.1
10°	983.6	982.6	982.6	982.6	984.1
12.5°	974.7	973.7	973.7	973.7	974.7
15°	961.7	961.7	961.7	961.7	962.7
17.5°	948.8	947.3	947.8	947.3	948.8
20°	932.9	930.9	931.4	931.4	932.9
22.5°	914.4	912.5	913.0	913.0	913.9
25°	893.5	891.5	891.5	893.0	894.0
27.5°	870.6	869.1	868.6	871.1	871.6
30°	846.7	845.8	844.8	847.2	847.7
32.5°	821.4	820.4	819.9	822.4	822.4
35°	794.0	793.0	792.5	795.5	795.5
37.5°	765.6	765.1	764.1	767.1	767.6
40°	735.7	734.7	734.2	737.2	737.2
42.5°	704.4	703.4	703.9	706.4	705.9
45°	671.5	671.0	671.0	674.0	673.5
47.5°	637.7	636.7	637.2	640.2	639.2
50°	602.3	601.3	601.8	604.8	603.8
52.5°	566.0	565.0	566.0	569.0	569.0
55°	526.7	527.7	528.2	529.7	531.6
57.5°	488.3	488.8	490.8	491.8	493.3
60°	449.0	450.0	451.0	453.0	454.0
62.5°	408.7	410.2	413.2	413.2	414.2
65°	368.4	369.4	370.9	372.3	373.8
67.5°	328.5	329.0	331.5	332.0	333.5
70°	287.7	288.2	290.7	291.2	293.2
72.5°	248.9	248.4	250.4	252.9	252.9
75°	209.1	208.6	210.6	212.6	213.1
77.5°	170.2	169.7	171.2	173.7	173.7
80°	131.9	132.9	133.4	135.4	134.4
82.5°	95.1	95.6	96.1	97.6	96.6
85°	60.2	60.7	60.7	62.2	61.7
87.5°	28.4	27.9	27.9	28.9	28.4
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)