

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: P568372

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

Issue Date: 9/19/2022

**Test Information**

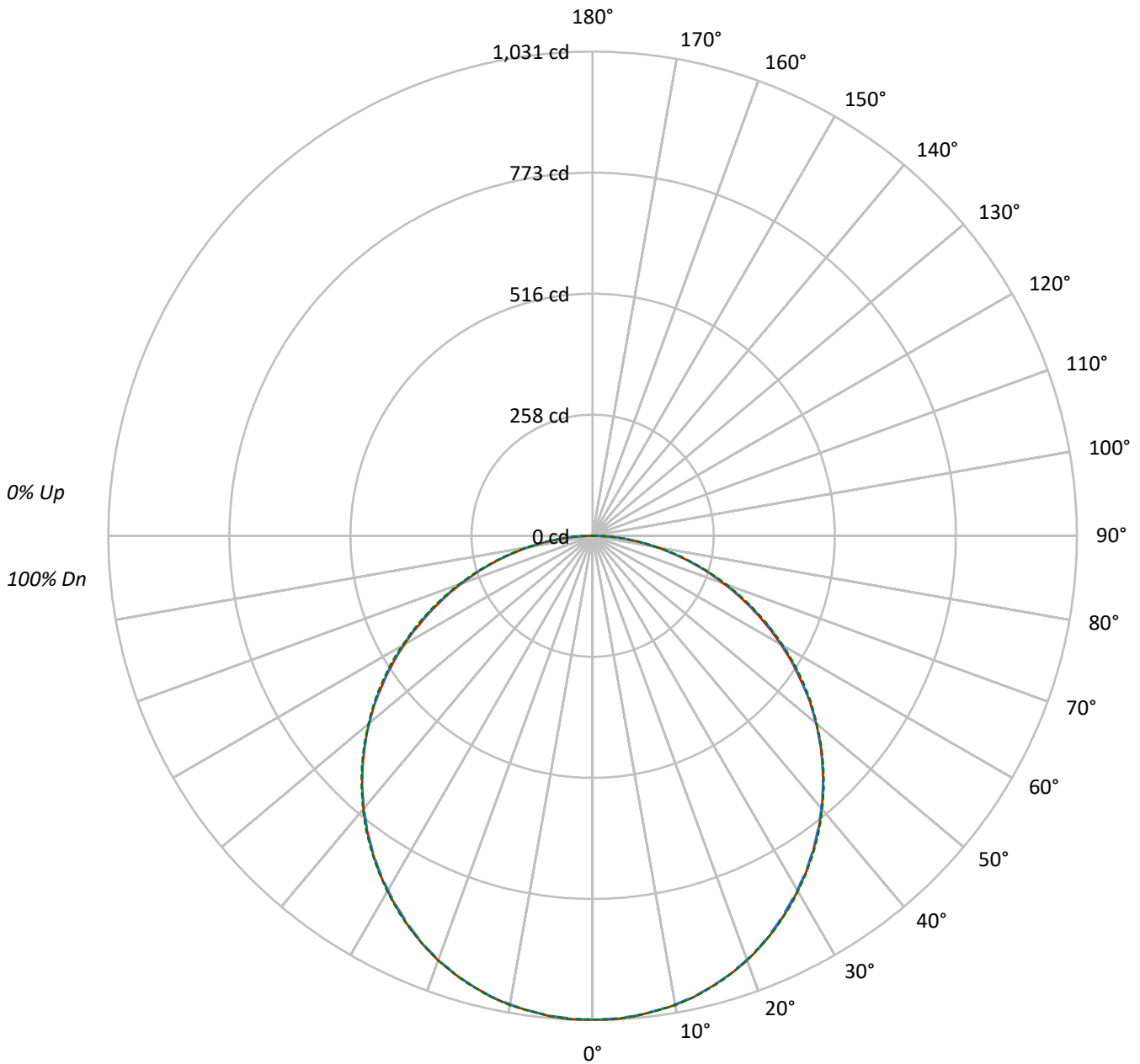
Test Method: LM-79-08  
Report Number: P568372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-35HE-L940  
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3015.0 lumens  
Efficiency: N/A  
Efficacy: 110.8 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°	2772	2772	2772
5°	2774	2772	2773
10°	2772	2769	2773
15°	2763	2763	2766
20°	2755	2750	2755
25°	2735	2730	2737
30°	2713	2706	2716
35°	2689	2685	2694
40°	2665	2660	2670
45°	2635	2633	2643
50°	2600	2598	2606
55°	2548	2555	2572
60°	2492	2503	2519
65°	2418	2435	2455
70°	2334	2359	2378
75°	2242	2257	2284
80°	2108	2132	2148
85°	1917	1933	1964



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.5	3.2
10°-20°	279.9	9.3
20°-30°	424.1	14.1
30°-40°	512.2	17.0
40°-50°	534.4	17.7
50°-60°	487.4	16.2
60°-70°	378.8	12.6
70°-80°	229.8	7.6
80°-90°	70.8	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°	801.5	26.6
0°-40°	1313.8	43.6
0°-60°	2335.5	77.5
0°-90°	3015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3015.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1027	1026	1026	1026	1027	98
15°	992	992	992	992	993	280
25°	921	919	919	921	922	425
35°	819	818	817	820	820	512
45°	692	692	692	695	694	534
55°	543	544	545	546	548	486
65°	380	381	382	384	386	376
75°	216	215	217	219	220	228
85°	62	63	63	64	64	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1030.2	1030.2	1030.2	1030.2	1030.2
2.5°	1030.7	1029.1	1029.1	1028.6	1030.2
5°	1027.1	1025.5	1026.1	1025.5	1026.6
7.5°	1020.9	1019.9	1020.4	1019.9	1020.9
10°	1014.3	1013.2	1013.2	1013.2	1014.8
12.5°	1005.0	1004.0	1004.0	1004.0	1005.0
15°	991.7	991.7	991.7	991.7	992.7
17.5°	978.3	976.8	977.3	976.8	978.3
20°	961.9	959.8	960.4	960.4	961.9
22.5°	942.9	940.9	941.4	941.4	942.4
25°	921.3	919.3	919.3	920.8	921.9
27.5°	897.7	896.2	895.7	898.2	898.8
30°	873.1	872.1	871.0	873.6	874.1
32.5°	846.9	845.9	845.4	847.9	847.9
35°	818.7	817.7	817.2	820.2	820.2
37.5°	789.4	788.9	787.9	791.0	791.5
40°	758.6	757.6	757.1	760.2	760.2
42.5°	726.3	725.3	725.8	728.4	727.8
45°	692.4	691.9	691.9	695.0	694.5
47.5°	657.5	656.5	657.0	660.1	659.1
50°	621.1	620.0	620.6	623.6	622.6
52.5°	583.6	582.6	583.6	586.7	586.7
55°	543.1	544.1	544.6	546.1	548.2
57.5°	503.5	504.0	506.1	507.1	508.7
60°	463.0	464.0	465.0	467.1	468.1
62.5°	421.4	422.9	426.0	426.0	427.1
65°	379.8	380.9	382.4	383.9	385.5
67.5°	338.8	339.3	341.8	342.4	343.9
70°	296.7	297.2	299.8	300.3	302.3
72.5°	256.6	256.1	258.2	260.7	260.7
75°	215.6	215.1	217.1	219.2	219.7
77.5°	175.5	175.0	176.6	179.1	179.1
80°	136.0	137.0	137.6	139.6	138.6
82.5°	98.0	98.6	99.1	100.6	99.6
85°	62.1	62.6	62.6	64.2	63.6
87.5°	29.3	28.7	28.7	29.8	29.3
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)