

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: P568354

Luminaire Tested: **22CGTX-35HE-L835**

Issue Date: 9/19/2022

**Test Information**

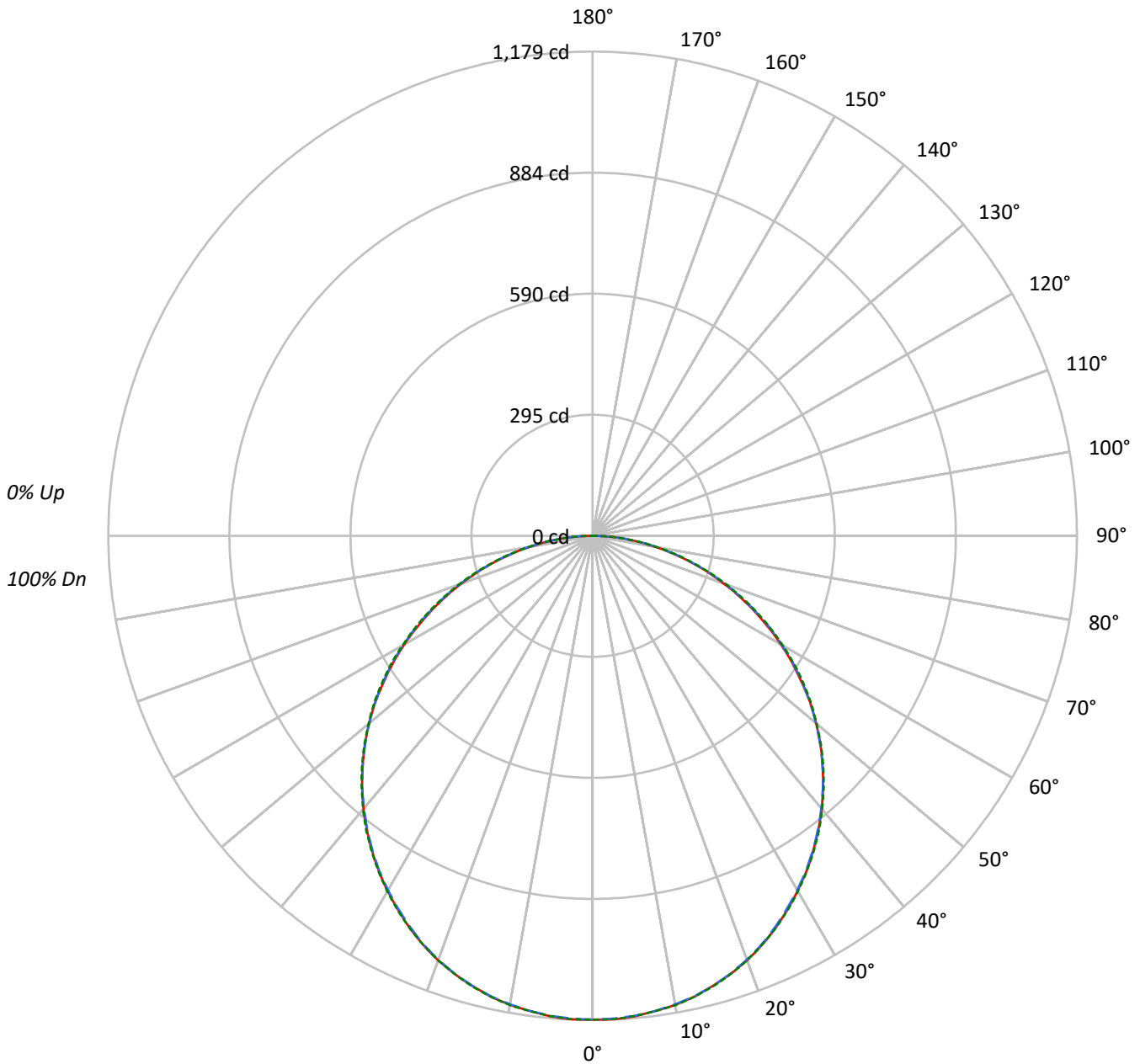
Test Method: LM-79-08  
Report Number: P568354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-35HE-L835  
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3448.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 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					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°	3170	3170	3170
5°	3173	3170	3171
10°	3169	3166	3171
15°	3159	3159	3163
20°	3150	3145	3150
25°	3129	3121	3130
30°	3103	3095	3106
35°	3076	3070	3081
40°	3048	3041	3054
45°	3014	3011	3022
50°	2974	2971	2981
55°	2913	2922	2941
60°	2850	2862	2881
65°	2766	2784	2807
70°	2670	2697	2720
75°	2563	2582	2612
80°	2411	2438	2456
85°	2192	2211	2248



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.5	3.2
10°-20°	320.1	9.3
20°-30°	485.0	14.1
30°-40°	585.8	17.0
40°-50°	611.2	17.7
50°-60°	557.4	16.2
60°-70°	433.2	12.6
70°-80°	262.8	7.6
80°-90°	81.0	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°	916.7	26.6
0°-40°	1502.4	43.6
0°-60°	2671.0	77.5
0°-90°	3448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3448.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1178	1178	1178	1178	1178	
5°	1175	1173	1173	1173	1174	112
15°	1134	1134	1134	1134	1135	320
25°	1054	1051	1051	1053	1054	486
35°	936	935	934	938	938	586
45°	792	791	791	795	794	611
55°	621	622	623	625	627	556
65°	434	436	437	439	441	430
75°	246	246	248	251	251	261
85°	71	72	72	73	73	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1178.1	1178.1	1178.1	1178.1	1178.1
2.5°	1178.7	1176.9	1176.9	1176.4	1178.1
5°	1174.6	1172.8	1173.4	1172.8	1174.0
7.5°	1167.5	1166.4	1167.0	1166.4	1167.5
10°	1159.9	1158.7	1158.7	1158.7	1160.5
12.5°	1149.3	1148.2	1148.2	1148.2	1149.3
15°	1134.1	1134.1	1134.1	1134.1	1135.3
17.5°	1118.8	1117.1	1117.7	1117.1	1118.8
20°	1100.0	1097.7	1098.3	1098.3	1100.0
22.5°	1078.3	1076.0	1076.6	1076.6	1077.7
25°	1053.7	1051.3	1051.3	1053.1	1054.3
27.5°	1026.7	1024.9	1024.3	1027.3	1027.8
30°	998.5	997.3	996.1	999.1	999.7
32.5°	968.6	967.4	966.8	969.7	969.7
35°	936.3	935.1	934.5	938.0	938.0
37.5°	902.8	902.2	901.0	904.6	905.2
40°	867.6	866.4	865.8	869.3	869.3
42.5°	830.6	829.4	830.0	833.0	832.4
45°	791.9	791.3	791.3	794.8	794.2
47.5°	751.9	750.8	751.4	754.9	753.7
50°	710.3	709.1	709.7	713.2	712.0
52.5°	667.4	666.2	667.4	670.9	670.9
55°	621.0	622.2	622.8	624.6	626.9
57.5°	575.8	576.4	578.8	580.0	581.7
60°	529.5	530.6	531.8	534.2	535.3
62.5°	481.9	483.7	487.2	487.2	488.4
65°	434.4	435.6	437.3	439.1	440.8
67.5°	387.4	388.0	390.9	391.5	393.3
70°	339.3	339.9	342.8	343.4	345.7
72.5°	293.5	292.9	295.3	298.2	298.2
75°	246.5	246.0	248.3	250.6	251.2
77.5°	200.8	200.2	201.9	204.9	204.9
80°	155.6	156.7	157.3	159.7	158.5
82.5°	112.1	112.7	113.3	115.1	113.9
85°	71.0	71.6	71.6	73.4	72.8
87.5°	33.5	32.9	32.9	34.0	33.5
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)