

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: P568342

Luminaire Tested: **22CGTX-35HE-L830**

Issue Date: 9/19/2022

**Test Information**

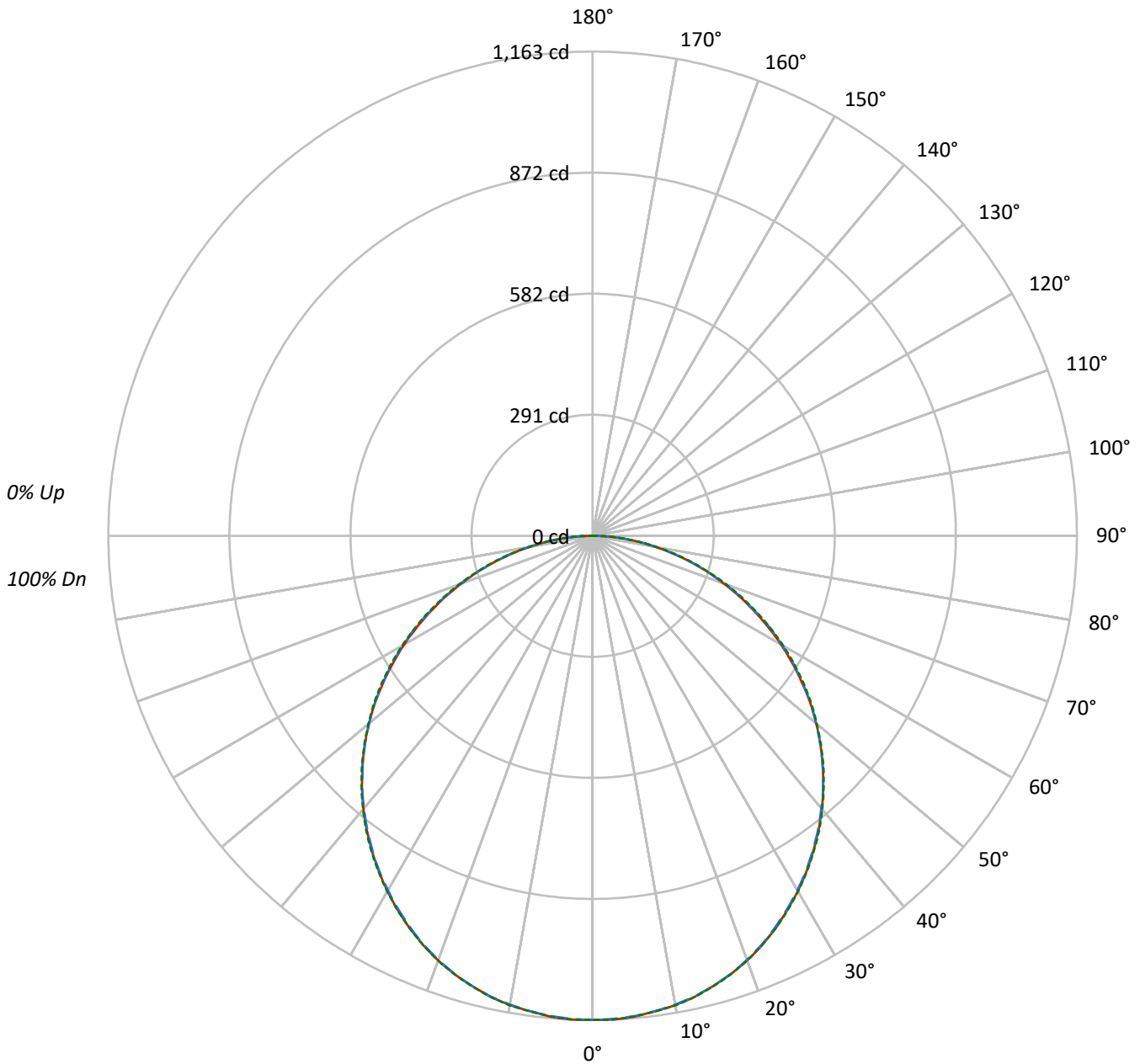
Test Method: LM-79-08  
Report Number: P568342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-35HE-L830  
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3403.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 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°	3129	3129	3129
5°	3132	3128	3130
10°	3128	3125	3130
15°	3118	3118	3121
20°	3109	3104	3109
25°	3088	3081	3089
30°	3062	3055	3066
35°	3035	3030	3041
40°	3008	3002	3014
45°	2974	2972	2983
50°	2935	2932	2942
55°	2875	2884	2903
60°	2813	2825	2844
65°	2730	2748	2770
70°	2635	2662	2685
75°	2530	2548	2578
80°	2379	2407	2424
85°	2164	2183	2217



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	3.2
10°-20°	315.9	9.3
20°-30°	478.7	14.1
30°-40°	578.1	17.0
40°-50°	603.2	17.7
50°-60°	550.1	16.2
60°-70°	427.6	12.6
70°-80°	259.4	7.6
80°-90°	80.0	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°	904.7	26.6
0°-40°	1482.8	43.6
0°-60°	2636.1	77.5
0°-90°	3403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3403.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1163	1163	1163	1163	1163	
5°	1159	1158	1158	1158	1159	110
15°	1119	1119	1119	1119	1120	316
25°	1040	1038	1038	1039	1040	479
35°	924	923	922	926	926	578
45°	782	781	781	784	784	603
55°	613	614	615	616	619	548
65°	429	430	432	433	435	425
75°	243	243	245	247	248	257
85°	70	71	71	72	72	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1162.7	1162.7	1162.7	1162.7	1162.7
2.5°	1163.3	1161.6	1161.6	1161.0	1162.7
5°	1159.3	1157.5	1158.1	1157.5	1158.7
7.5°	1152.3	1151.1	1151.7	1151.1	1152.3
10°	1144.8	1143.6	1143.6	1143.6	1145.4
12.5°	1134.3	1133.2	1133.2	1133.2	1134.3
15°	1119.3	1119.3	1119.3	1119.3	1120.4
17.5°	1104.2	1102.5	1103.1	1102.5	1104.2
20°	1085.7	1083.4	1083.9	1083.9	1085.7
22.5°	1064.2	1061.9	1062.5	1062.5	1063.7
25°	1039.9	1037.6	1037.6	1039.3	1040.5
27.5°	1013.3	1011.5	1010.9	1013.8	1014.4
30°	985.5	984.3	983.1	986.0	986.6
32.5°	955.9	954.8	954.2	957.1	957.1
35°	924.0	922.9	922.3	925.8	925.8
37.5°	891.0	890.4	889.3	892.8	893.3
40°	856.3	855.1	854.5	858.0	858.0
42.5°	819.8	818.6	819.2	822.1	821.5
45°	781.5	781.0	781.0	784.4	783.8
47.5°	742.1	741.0	741.6	745.0	743.9
50°	701.0	699.8	700.4	703.9	702.7
52.5°	658.7	657.6	658.7	662.2	662.2
55°	612.9	614.1	614.7	616.4	618.7
57.5°	568.3	568.9	571.2	572.4	574.1
60°	522.6	523.7	524.9	527.2	528.4
62.5°	475.6	477.4	480.9	480.9	482.0
65°	428.7	429.9	431.6	433.3	435.1
67.5°	382.4	382.9	385.8	386.4	388.2
70°	334.9	335.4	338.3	338.9	341.2
72.5°	289.7	289.1	291.4	294.3	294.3
75°	243.3	242.7	245.1	247.4	248.0
77.5°	198.1	197.6	199.3	202.2	202.2
80°	153.5	154.7	155.3	157.6	156.4
82.5°	110.7	111.2	111.8	113.6	112.4
85°	70.1	70.7	70.7	72.4	71.8
87.5°	33.0	32.4	32.4	33.6	33.0
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)