

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: P568378

Luminaire Tested: **22CGTX-35HE-L850**

Issue Date: 9/19/2022

**Test Information**

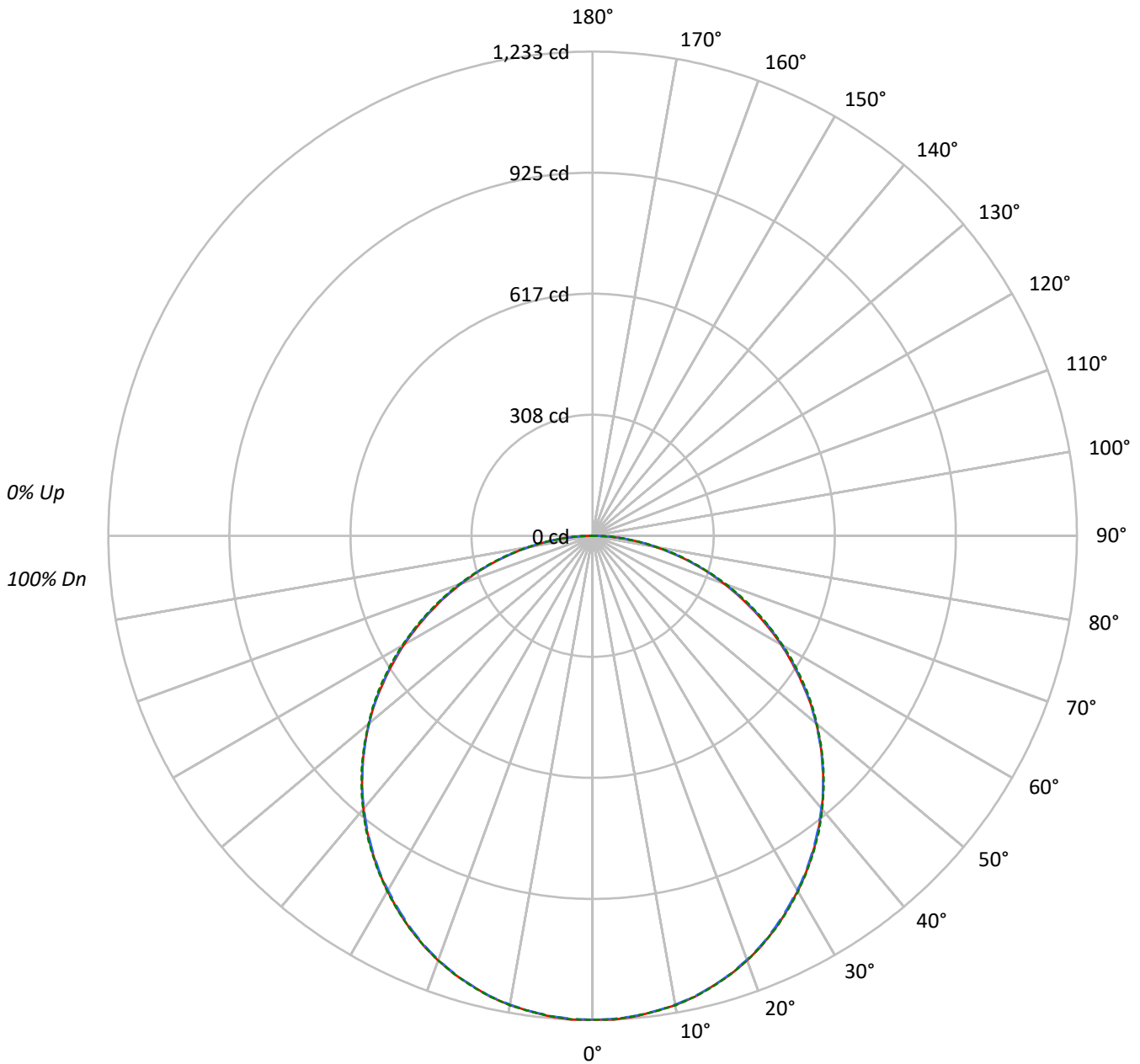
Test Method: LM-79-08  
Report Number: P568378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-35HE-L850  
Description: 2X2 3500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3607.0 lumens  
Efficiency: N/A  
Efficacy: 132.6 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°	3316	3316	3316
5°	3319	3316	3317
10°	3316	3312	3317
15°	3305	3305	3309
20°	3296	3290	3296
25°	3273	3265	3275
30°	3246	3238	3250
35°	3217	3211	3224
40°	3188	3182	3195
45°	3153	3150	3162
50°	3111	3108	3118
55°	3048	3057	3077
60°	2981	2994	3014
65°	2893	2913	2937
70°	2792	2821	2846
75°	2681	2701	2732
80°	2521	2551	2569
85°	2294	2313	2350



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.7	3.2
10°-20°	334.8	9.3
20°-30°	507.4	14.1
30°-40°	612.8	17.0
40°-50°	639.4	17.7
50°-60°	583.1	16.2
60°-70°	453.2	12.6
70°-80°	274.9	7.6
80°-90°	84.8	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°	958.9	26.6
0°-40°	1571.7	43.6
0°-60°	2794.1	77.5
0°-90°	3607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1232	1232	1232	1232	1232	
5°	1229	1227	1228	1227	1228	117
15°	1186	1186	1186	1186	1188	335
25°	1102	1100	1100	1102	1103	508
35°	979	978	978	981	981	613
45°	828	828	828	832	831	639
55°	650	651	652	653	656	581
65°	454	456	458	459	461	450
75°	258	257	260	262	263	273
85°	74	75	75	77	76	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1232.4	1232.4	1232.4	1232.4	1232.4
2.5°	1233.1	1231.2	1231.2	1230.6	1232.4
5°	1228.8	1226.9	1227.5	1226.9	1228.1
7.5°	1221.4	1220.2	1220.8	1220.2	1221.4
10°	1213.4	1212.2	1212.2	1212.2	1214.0
12.5°	1202.3	1201.1	1201.1	1201.1	1202.3
15°	1186.4	1186.4	1186.4	1186.4	1187.6
17.5°	1170.4	1168.6	1169.2	1168.6	1170.4
20°	1150.8	1148.3	1148.9	1148.9	1150.8
22.5°	1128.0	1125.6	1126.2	1126.2	1127.4
25°	1102.3	1099.8	1099.8	1101.6	1102.9
27.5°	1074.0	1072.2	1071.6	1074.6	1075.2
30°	1044.5	1043.3	1042.1	1045.1	1045.8
32.5°	1013.2	1012.0	1011.4	1014.4	1014.4
35°	979.4	978.2	977.6	981.3	981.3
37.5°	944.4	943.8	942.6	946.3	946.9
40°	907.6	906.4	905.8	909.4	909.4
42.5°	868.9	867.7	868.3	871.4	870.8
45°	828.4	827.8	827.8	831.5	830.8
47.5°	786.6	785.4	786.0	789.7	788.5
50°	743.0	741.8	742.4	746.1	744.9
52.5°	698.2	697.0	698.2	701.9	701.9
55°	649.7	650.9	651.5	653.4	655.8
57.5°	602.4	603.0	605.5	606.7	608.5
60°	553.9	555.1	556.3	558.8	560.0
62.5°	504.2	506.0	509.7	509.7	510.9
65°	454.4	455.6	457.5	459.3	461.2
67.5°	405.3	405.9	409.0	409.6	411.4
70°	354.9	355.5	358.6	359.2	361.7
72.5°	307.0	306.4	308.9	311.9	311.9
75°	257.9	257.3	259.8	262.2	262.8
77.5°	210.0	209.4	211.2	214.3	214.3
80°	162.7	164.0	164.6	167.0	165.8
82.5°	117.3	117.9	118.5	120.4	119.1
85°	74.3	74.9	74.9	76.8	76.1
87.5°	35.0	34.4	34.4	35.6	35.0
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)