

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: P568414

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

Issue Date: 9/19/2022

**Test Information**

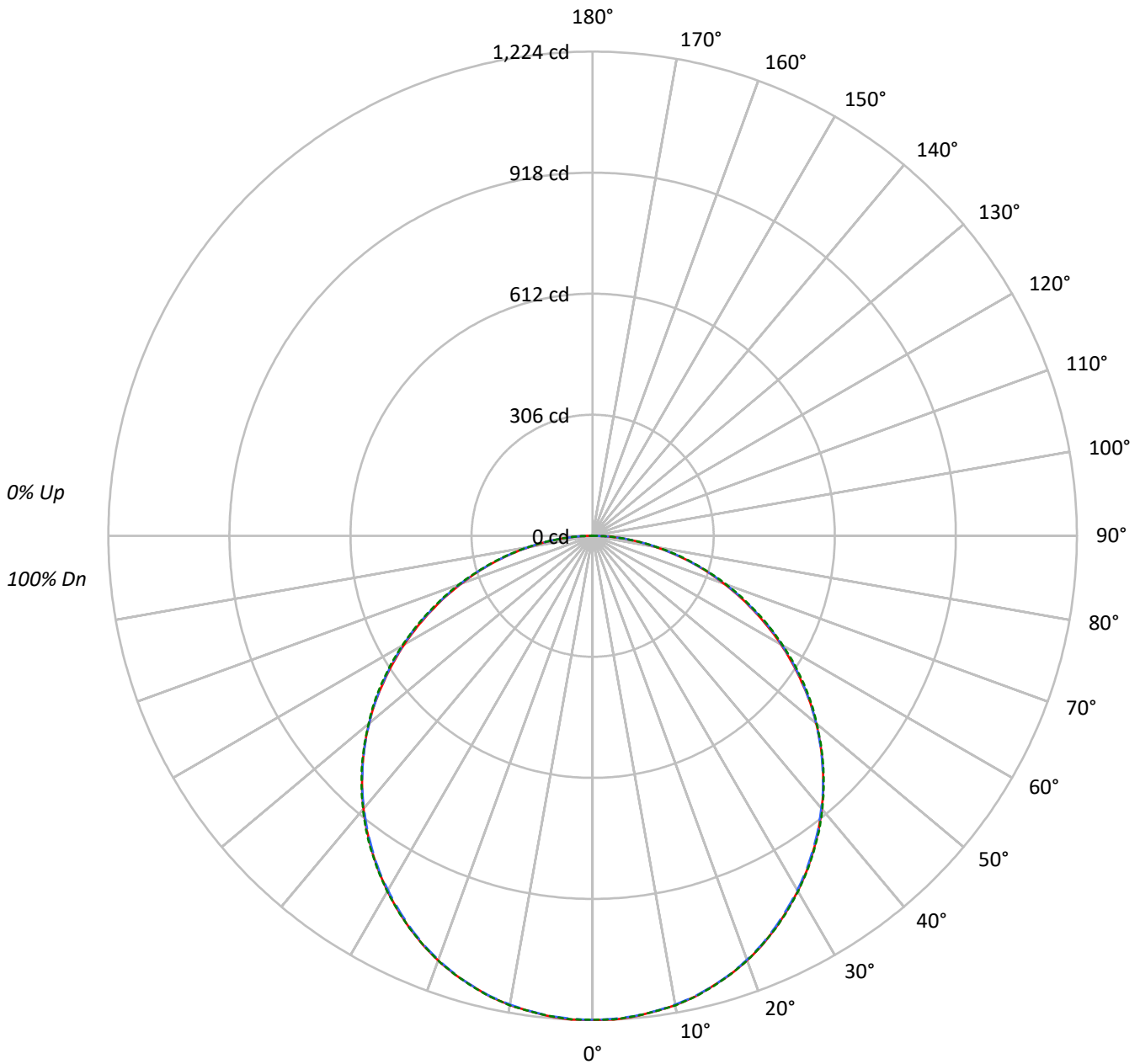
Test Method: LM-79-08  
Report Number: P568414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-35-L850  
Description: 2X2 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3581.0 lumens  
Efficiency: N/A  
Efficacy: 128.4 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): 27.9  
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°	3293	3293	3293
5°	3295	3292	3294
10°	3292	3288	3293
15°	3281	3281	3285
20°	3272	3266	3272
25°	3249	3242	3251
30°	3222	3215	3226
35°	3194	3188	3200
40°	3165	3159	3172
45°	3130	3127	3139
50°	3088	3086	3096
55°	3026	3035	3055
60°	2960	2972	2992
65°	2872	2892	2915
70°	2773	2801	2825
75°	2663	2681	2713
80°	2504	2532	2551
85°	2279	2297	2334



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.8	3.2
10°-20°	332.4	9.3
20°-30°	503.7	14.1
30°-40°	608.4	17.0
40°-50°	634.7	17.7
50°-60°	578.9	16.2
60°-70°	449.9	12.6
70°-80°	272.9	7.6
80°-90°	84.1	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°	952.0	26.6
0°-40°	1560.4	43.6
0°-60°	2774.0	77.5
0°-90°	3581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1224	1224	1224	1224	1224	
5°	1220	1218	1219	1218	1219	116
15°	1178	1178	1178	1178	1179	333
25°	1094	1092	1092	1094	1095	504
35°	972	971	971	974	974	608
45°	822	822	822	826	825	634
55°	645	646	647	649	651	577
65°	451	452	454	456	458	447
75°	256	255	258	260	261	271
85°	74	74	74	76	76	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1223.6	1223.6	1223.6	1223.6	1223.6
2.5°	1224.2	1222.3	1222.3	1221.7	1223.6
5°	1219.9	1218.1	1218.7	1218.1	1219.3
7.5°	1212.6	1211.4	1212.0	1211.4	1212.6
10°	1204.7	1203.4	1203.4	1203.4	1205.3
12.5°	1193.7	1192.5	1192.5	1192.5	1193.7
15°	1177.8	1177.8	1177.8	1177.8	1179.1
17.5°	1162.0	1160.2	1160.8	1160.2	1162.0
20°	1142.5	1140.0	1140.6	1140.6	1142.5
22.5°	1119.9	1117.5	1118.1	1118.1	1119.3
25°	1094.3	1091.9	1091.9	1093.7	1094.9
27.5°	1066.3	1064.4	1063.8	1066.9	1067.5
30°	1037.0	1035.8	1034.6	1037.6	1038.2
32.5°	1005.9	1004.7	1004.1	1007.1	1007.1
35°	972.4	971.2	970.6	974.2	974.2
37.5°	937.6	937.0	935.8	939.5	940.1
40°	901.1	899.8	899.2	902.9	902.9
42.5°	862.6	861.4	862.0	865.1	864.5
45°	822.4	821.8	821.8	825.5	824.8
47.5°	781.0	779.7	780.3	784.0	782.8
50°	737.7	736.4	737.1	740.7	739.5
52.5°	693.2	691.9	693.2	696.8	696.8
55°	645.0	646.2	646.8	648.7	651.1
57.5°	598.1	598.7	601.1	602.3	604.2
60°	549.9	551.1	552.3	554.8	556.0
62.5°	500.5	502.3	506.0	506.0	507.2
65°	451.1	452.4	454.2	456.0	457.8
67.5°	402.4	403.0	406.0	406.6	408.5
70°	352.4	353.0	356.0	356.6	359.1
72.5°	304.8	304.2	306.7	309.7	309.7
75°	256.1	255.4	257.9	260.3	260.9
77.5°	208.5	207.9	209.7	212.8	212.8
80°	161.6	162.8	163.4	165.8	164.6
82.5°	116.4	117.1	117.7	119.5	118.3
85°	73.8	74.4	74.4	76.2	75.6
87.5°	34.7	34.1	34.1	35.4	34.7
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)