

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: P568403

Luminaire Tested: **22CGTX-45-L935**

Issue Date: 9/19/2022

**Test Information**

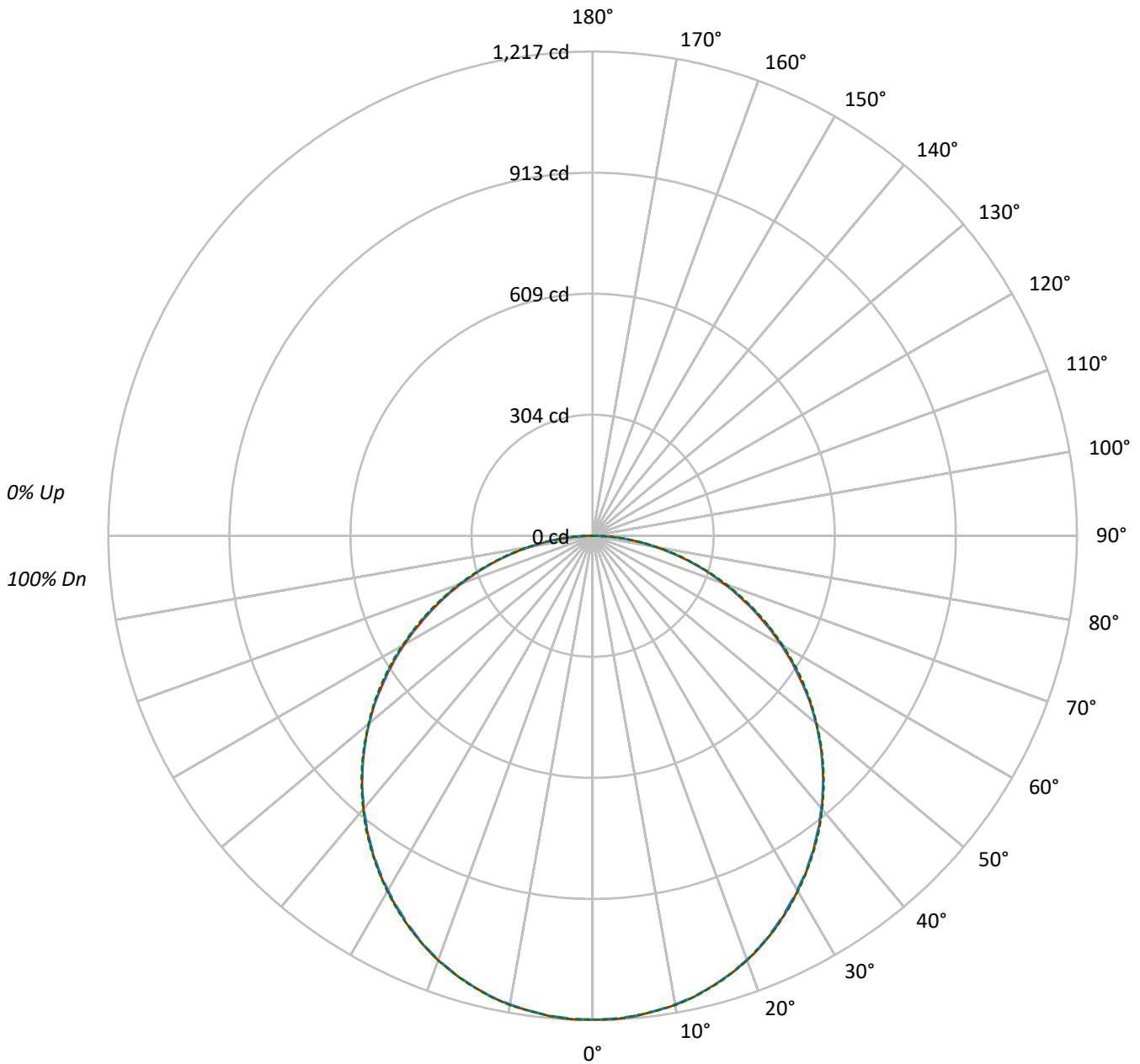
Test Method: LM-79-08  
Report Number: P568403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-45-L935  
Description: 2X2 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3559.0 lumens  
Efficiency: N/A  
Efficacy: 94.9 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): 37.5  
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

TEST NUMBER: P568403  
CATALOG NUMBER: 22CGTX-45-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P568403

CATALOG NUMBER: 22CGTX-45-L935

**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°	3272	3272	3272
5°	3275	3272	3273
10°	3272	3268	3273
15°	3261	3261	3265
20°	3252	3246	3252
25°	3229	3222	3231
30°	3202	3195	3206
35°	3175	3169	3181
40°	3146	3139	3152
45°	3111	3108	3120
50°	3069	3067	3077
55°	3007	3016	3036
60°	2941	2954	2974
65°	2855	2874	2897
70°	2755	2784	2808
75°	2646	2665	2696
80°	2489	2517	2535
85°	2263	2282	2319



TEST NUMBER: P568403  
 CATALOG NUMBER: 22CGTX-45-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.1	3.2
10°-20°	330.4	9.3
20°-30°	500.6	14.1
30°-40°	604.6	17.0
40°-50°	630.8	17.7
50°-60°	575.3	16.2
60°-70°	447.2	12.6
70°-80°	271.3	7.6
80°-90°	83.6	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°	946.1	26.6
0°-40°	1550.8	43.6
0°-60°	2756.9	77.5
0°-90°	3559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1212	1211	1211	1211	1212	115
15°	1171	1171	1171	1171	1172	331
25°	1088	1085	1085	1087	1088	501
35°	966	965	965	968	968	605
45°	817	817	817	820	820	630
55°	641	642	643	645	647	573
65°	448	450	451	453	455	444
75°	254	254	256	259	259	269
85°	73	74	74	76	75	83
90°	0	0	0	0	0	



TEST NUMBER: P568403

CATALOG NUMBER: 22CGTX-45-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1216.0	1216.0	1216.0	1216.0	1216.0
2.5°	1216.6	1214.8	1214.8	1214.2	1216.0
5°	1212.4	1210.6	1211.2	1210.6	1211.8
7.5°	1205.1	1203.9	1204.5	1203.9	1205.1
10°	1197.3	1196.0	1196.0	1196.0	1197.9
12.5°	1186.3	1185.1	1185.1	1185.1	1186.3
15°	1170.6	1170.6	1170.6	1170.6	1171.8
17.5°	1154.8	1153.0	1153.6	1153.0	1154.8
20°	1135.5	1133.0	1133.6	1133.6	1135.5
22.5°	1113.0	1110.6	1111.2	1111.2	1112.4
25°	1087.6	1085.2	1085.2	1087.0	1088.2
27.5°	1059.7	1057.9	1057.3	1060.3	1060.9
30°	1030.6	1029.4	1028.2	1031.2	1031.8
32.5°	999.7	998.5	997.9	1000.9	1000.9
35°	966.4	965.2	964.6	968.2	968.2
37.5°	931.9	931.3	930.1	933.7	934.3
40°	895.5	894.3	893.7	897.3	897.3
42.5°	857.3	856.1	856.7	859.8	859.2
45°	817.4	816.8	816.8	820.4	819.8
47.5°	776.2	774.9	775.5	779.2	778.0
50°	733.1	731.9	732.5	736.2	735.0
52.5°	688.9	687.7	688.9	692.5	692.5
55°	641.0	642.3	642.9	644.7	647.1
57.5°	594.4	595.0	597.4	598.6	600.4
60°	546.5	547.7	548.9	551.4	552.6
62.5°	497.4	499.3	502.9	502.9	504.1
65°	448.4	449.6	451.4	453.2	455.0
67.5°	399.9	400.5	403.5	404.1	406.0
70°	350.2	350.8	353.8	354.5	356.9
72.5°	302.9	302.3	304.8	307.8	307.8
75°	254.5	253.9	256.3	258.7	259.3
77.5°	207.2	206.6	208.4	211.5	211.5
80°	160.6	161.8	162.4	164.8	163.6
82.5°	115.7	116.3	116.9	118.8	117.5
85°	73.3	73.9	73.9	75.7	75.1
87.5°	34.5	33.9	33.9	35.1	34.5
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)