

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: P568544

Luminaire Tested: **24CGTX-55-L935**

Issue Date: 9/19/2022

**Test Information**

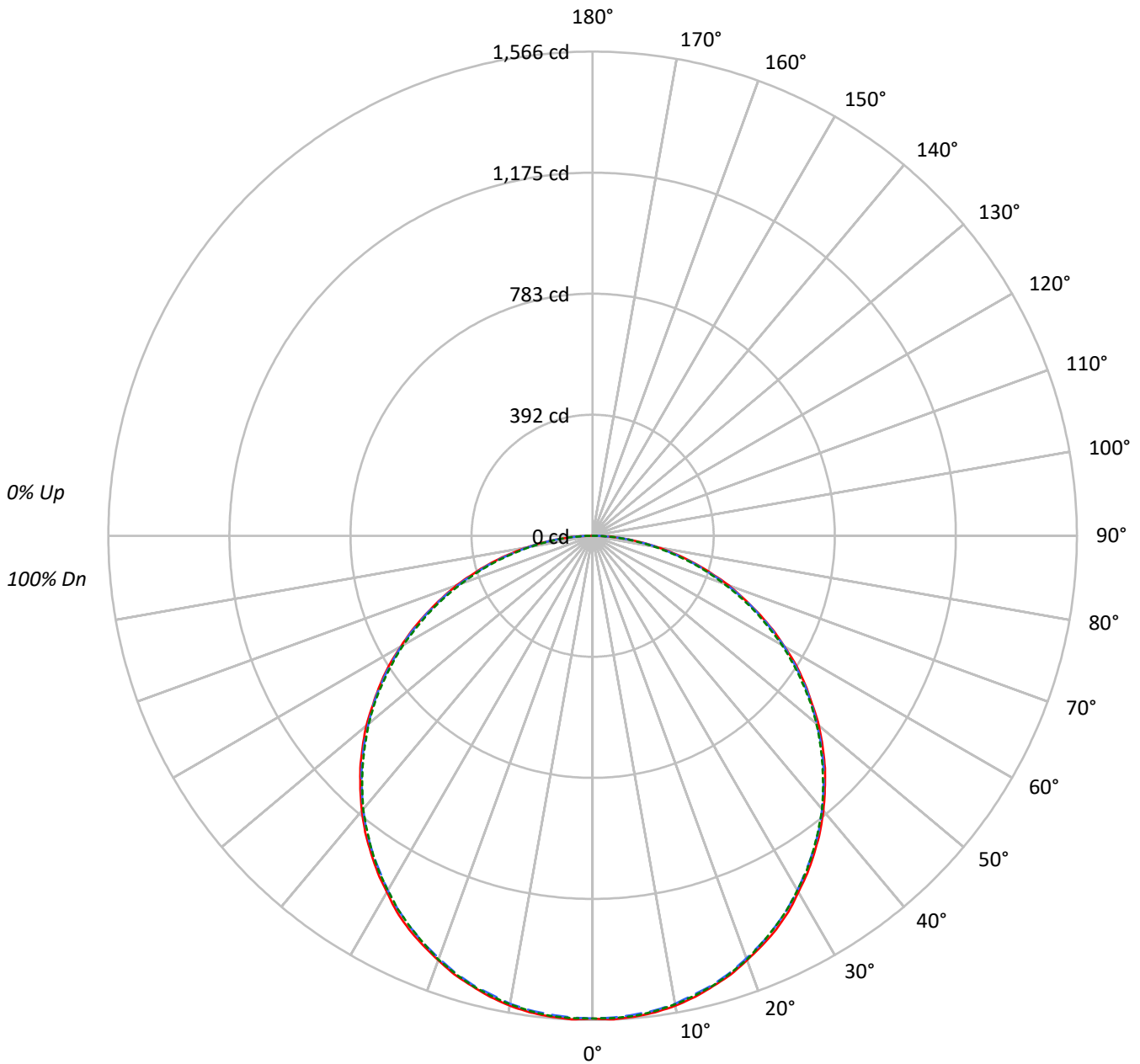
Test Method: LM-79-08  
Report Number: P568544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-55-L935  
Description: 2X4 5500 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: 4588.0 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.1  
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	76	72	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	79	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	32			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	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	38	31	26	37	30	26	37	30	25	36	30	25	23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2101	2101	2101
5°	2109	2100	2106
10°	2109	2100	2103
15°	2100	2094	2097
20°	2091	2082	2088
25°	2086	2072	2072
30°	2068	2057	2057
35°	2054	2043	2043
40°	2039	2027	2027
45°	2022	2009	2000
50°	1999	1981	1976
55°	1968	1957	1941
60°	1926	1920	1902
65°	1880	1873	1845
70°	1839	1804	1769
75°	1768	1721	1686
80°	1664	1629	1560
85°	1519	1485	1416



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.0	3.2
10°-20°	424.2	9.2
20°-30°	643.8	14.0
30°-40°	778.9	17.0
40°-50°	813.7	17.7
50°-60°	744.4	16.2
60°-70°	579.4	12.6
70°-80°	349.2	7.6
80°-90°	106.4	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°	1216.0	26.5
0°-40°	1994.9	43.5
0°-60°	3553.0	77.4
0°-90°	4588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1561	1557	1555	1555	1559	148
15°	1508	1503	1503	1501	1505	426
25°	1405	1398	1396	1394	1396	647
35°	1250	1246	1244	1244	1244	783
45°	1062	1056	1056	1051	1051	819
55°	839	837	834	828	828	749
65°	590	590	588	579	579	585
75°	340	336	331	324	324	358
85°	98	96	96	92	92	110
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1561.3	1561.3	1561.3	1561.3	1561.3
2.5°	1565.8	1561.3	1559.1	1559.1	1561.3
5°	1561.3	1556.9	1554.6	1554.6	1559.1
7.5°	1554.6	1547.9	1547.9	1545.7	1550.2
10°	1543.5	1536.7	1536.7	1534.5	1539.0
12.5°	1527.8	1521.1	1518.8	1518.8	1523.3
15°	1507.7	1503.2	1503.2	1501.0	1505.4
17.5°	1487.5	1480.8	1480.8	1478.6	1483.1
20°	1460.7	1456.2	1454.0	1454.0	1458.5
22.5°	1433.8	1429.4	1427.1	1427.1	1427.1
25°	1404.8	1398.1	1395.8	1393.6	1395.8
27.5°	1371.2	1362.3	1362.3	1360.0	1362.3
30°	1330.9	1326.5	1324.2	1322.0	1324.2
32.5°	1292.9	1286.2	1284.0	1286.2	1286.2
35°	1250.4	1245.9	1243.7	1243.7	1243.7
37.5°	1207.9	1201.2	1201.2	1199.0	1199.0
40°	1160.9	1156.5	1154.2	1154.2	1154.2
42.5°	1111.7	1107.3	1105.0	1102.8	1102.8
45°	1062.5	1055.8	1055.8	1051.3	1051.3
47.5°	1008.8	1004.4	1002.1	997.7	997.7
50°	955.2	950.7	946.2	946.2	944.0
52.5°	894.8	894.8	892.5	888.0	888.0
55°	838.8	836.6	834.4	827.6	827.6
57.5°	780.7	778.4	774.0	767.3	767.3
60°	715.8	715.8	713.6	704.6	706.9
62.5°	655.4	653.2	650.9	644.2	642.0
65°	590.5	590.5	588.3	579.4	579.4
67.5°	527.9	527.9	523.4	514.5	514.5
70°	467.5	460.8	458.6	451.9	449.6
72.5°	400.4	398.2	393.7	387.0	387.0
75°	340.0	335.5	331.1	324.3	324.3
77.5°	275.1	270.7	266.2	264.0	259.5
80°	214.7	212.5	210.3	203.6	201.3
82.5°	154.3	152.1	149.9	147.6	145.4
85°	98.4	96.2	96.2	91.7	91.7
87.5°	42.5	44.7	40.3	42.5	40.3
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)