

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: P568574

Luminaire Tested: **24CGTX-55-L850**

Issue Date: 9/19/2022

**Test Information**

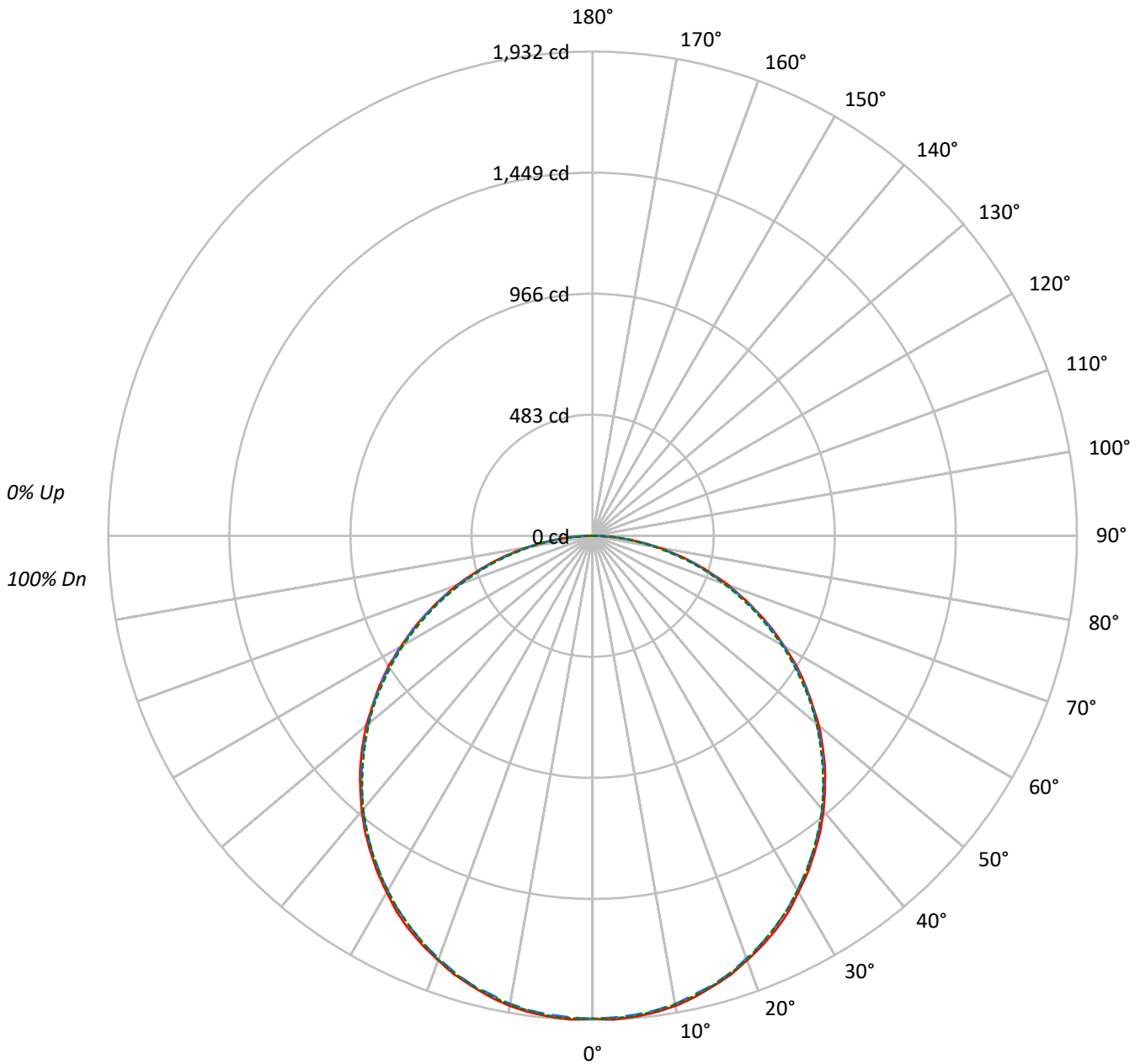
Test Method: LM-79-08  
Report Number: P568574  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-55-L850  
Description: 2X4 5500 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: 5662.0 lumens  
Efficiency: N/A  
Efficacy: 128.4 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	24								

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

	0°	45°	90°
0°	2592	2592	2592
5°	2602	2591	2599
10°	2602	2591	2595
15°	2592	2584	2588
20°	2581	2569	2577
25°	2574	2557	2557
30°	2552	2539	2539
35°	2535	2521	2521
40°	2516	2502	2502
45°	2495	2479	2469
50°	2467	2444	2438
55°	2428	2415	2396
60°	2377	2370	2347
65°	2320	2311	2276
70°	2269	2226	2183
75°	2181	2124	2081
80°	2053	2011	1925
85°	1876	1832	1748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.6	3.2
10°-20°	523.5	9.2
20°-30°	794.5	14.0
30°-40°	961.3	17.0
40°-50°	1004.2	17.7
50°-60°	918.6	16.2
60°-70°	715.0	12.6
70°-80°	430.9	7.6
80°-90°	131.3	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°	1500.6	26.5
0°-40°	2461.9	43.5
0°-60°	4384.7	77.4
0°-90°	5662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1927	1927	1927	1927	1927	
5°	1927	1921	1919	1919	1924	183
15°	1861	1855	1855	1852	1858	525
25°	1734	1725	1723	1720	1723	798
35°	1543	1538	1535	1535	1535	966
45°	1311	1303	1303	1297	1297	1011
55°	1035	1032	1030	1021	1021	925
65°	729	729	726	715	715	722
75°	420	414	409	400	400	442
85°	122	119	119	113	113	135
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1926.8	1926.8	1926.8	1926.8	1926.8
2.5°	1932.4	1926.8	1924.1	1924.1	1926.8
5°	1926.8	1921.3	1918.6	1918.6	1924.1
7.5°	1918.6	1910.3	1910.3	1907.5	1913.0
10°	1904.8	1896.5	1896.5	1893.7	1899.2
12.5°	1885.4	1877.2	1874.4	1874.4	1879.9
15°	1860.6	1855.1	1855.1	1852.3	1857.8
17.5°	1835.7	1827.5	1827.5	1824.7	1830.2
20°	1802.6	1797.1	1794.3	1794.3	1799.9
22.5°	1769.5	1764.0	1761.2	1761.2	1761.2
25°	1733.6	1725.3	1722.6	1719.8	1722.6
27.5°	1692.2	1681.2	1681.2	1678.4	1681.2
30°	1642.5	1637.0	1634.2	1631.5	1634.2
32.5°	1595.6	1587.3	1584.5	1587.3	1587.3
35°	1543.1	1537.6	1534.8	1534.8	1534.8
37.5°	1490.7	1482.4	1482.4	1479.6	1479.6
40°	1432.7	1427.2	1424.4	1424.4	1424.4
42.5°	1372.0	1366.5	1363.7	1360.9	1360.9
45°	1311.2	1303.0	1303.0	1297.4	1297.4
47.5°	1245.0	1239.5	1236.7	1231.2	1231.2
50°	1178.7	1173.2	1167.7	1167.7	1164.9
52.5°	1104.2	1104.2	1101.4	1095.9	1095.9
55°	1035.2	1032.4	1029.7	1021.4	1021.4
57.5°	963.4	960.7	955.1	946.9	946.9
60°	883.4	883.4	880.6	869.6	872.3
62.5°	808.8	806.1	803.3	795.0	792.3
65°	728.8	728.8	726.0	715.0	715.0
67.5°	651.5	651.5	646.0	634.9	634.9
70°	576.9	568.7	565.9	557.6	554.9
72.5°	494.1	491.4	485.9	477.6	477.6
75°	419.6	414.1	408.6	400.3	400.3
77.5°	339.5	334.0	328.5	325.7	320.2
80°	265.0	262.2	259.5	251.2	248.4
82.5°	190.5	187.7	185.0	182.2	179.4
85°	121.5	118.7	118.7	113.2	113.2
87.5°	52.4	55.2	49.7	52.4	49.7
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)