

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: P568524

Luminaire Tested: **24CGTX-55-L930**

Issue Date: 9/19/2022



**Test Information**

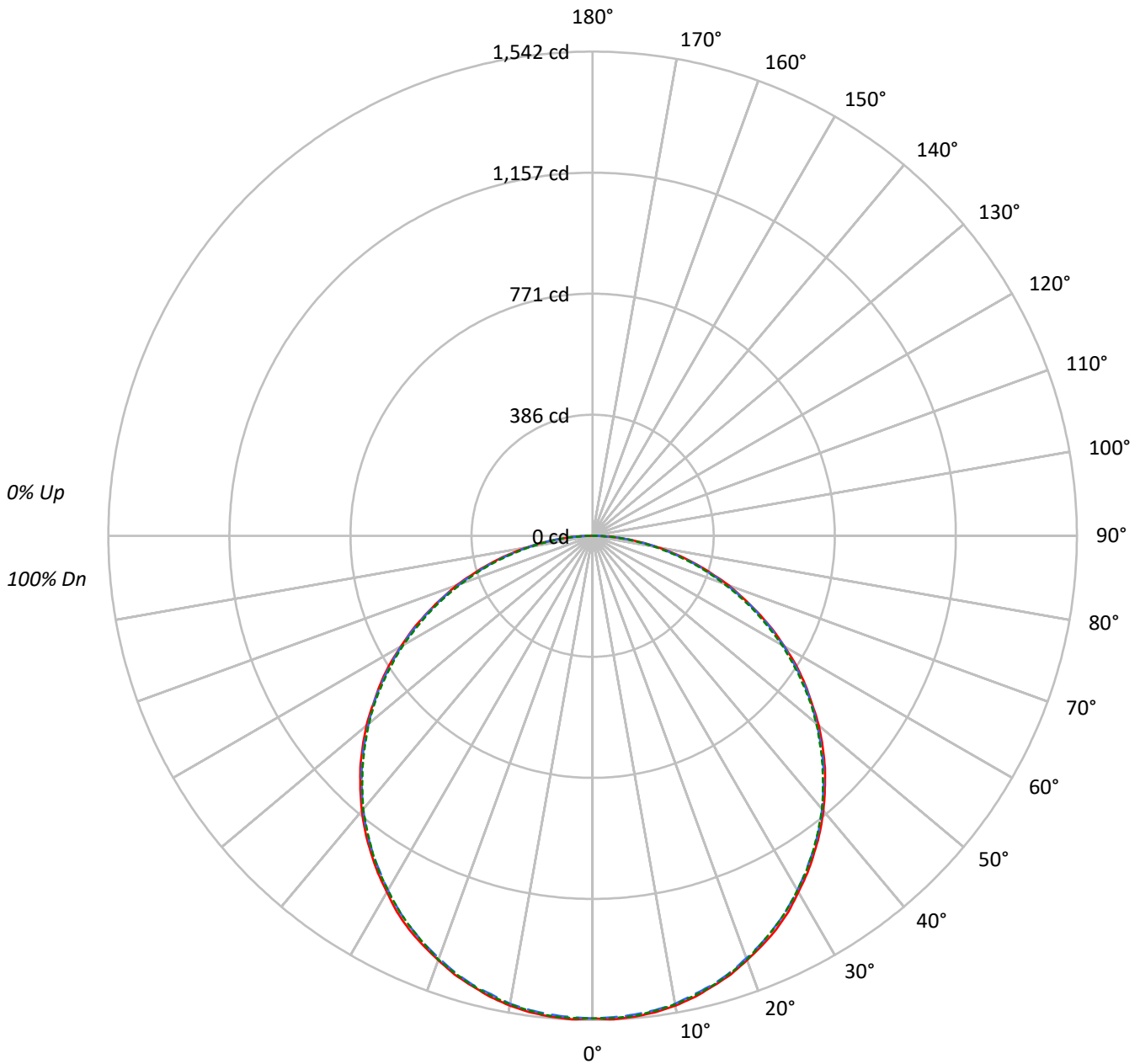
Test Method: LM-79-08  
Report Number: P568524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-55-L930  
Description: 2X4 5500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4517.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 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°	2068	2068	2068
5°	2076	2067	2073
10°	2076	2067	2070
15°	2068	2061	2064
20°	2059	2050	2056
25°	2053	2040	2040
30°	2036	2025	2025
35°	2022	2011	2011
40°	2008	1996	1996
45°	1991	1978	1970
50°	1968	1950	1945
55°	1937	1927	1911
60°	1896	1890	1873
65°	1851	1844	1816
70°	1811	1776	1742
75°	1740	1694	1660
80°	1638	1604	1536
85°	1496	1462	1394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.7	3.2
10°-20°	417.7	9.2
20°-30°	633.8	14.0
30°-40°	766.9	17.0
40°-50°	801.2	17.7
50°-60°	732.8	16.2
60°-70°	570.4	12.6
70°-80°	343.8	7.6
80°-90°	104.8	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°	1197.1	26.5
0°-40°	1964.0	43.5
0°-60°	3498.0	77.4
0°-90°	4517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4517.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1537	1537	1537	1537	1537	
5°	1537	1533	1531	1531	1535	146
15°	1484	1480	1480	1478	1482	419
25°	1383	1376	1374	1372	1374	637
35°	1231	1227	1224	1224	1224	771
45°	1046	1040	1040	1035	1035	806
55°	826	824	821	815	815	738
65°	581	581	579	570	570	576
75°	335	330	326	319	319	352
85°	97	95	95	90	90	108
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1537.2	1537.2	1537.2	1537.2	1537.2
2.5°	1541.6	1537.2	1535.0	1535.0	1537.2
5°	1537.2	1532.8	1530.6	1530.6	1535.0
7.5°	1530.6	1524.0	1524.0	1521.8	1526.2
10°	1519.6	1513.0	1513.0	1510.8	1515.2
12.5°	1504.2	1497.5	1495.3	1495.3	1499.7
15°	1484.3	1479.9	1479.9	1477.7	1482.1
17.5°	1464.5	1457.9	1457.9	1455.7	1460.1
20°	1438.1	1433.7	1431.5	1431.5	1435.9
22.5°	1411.7	1407.3	1405.0	1405.0	1405.0
25°	1383.0	1376.4	1374.2	1372.0	1374.2
27.5°	1350.0	1341.2	1341.2	1339.0	1341.2
30°	1310.4	1305.9	1303.7	1301.5	1303.7
32.5°	1272.9	1266.3	1264.1	1266.3	1266.3
35°	1231.1	1226.7	1224.5	1224.5	1224.5
37.5°	1189.2	1182.6	1182.6	1180.4	1180.4
40°	1143.0	1138.6	1136.4	1136.4	1136.4
42.5°	1094.5	1090.1	1087.9	1085.7	1085.7
45°	1046.1	1039.5	1039.5	1035.1	1035.1
47.5°	993.2	988.8	986.6	982.2	982.2
50°	940.4	936.0	931.6	931.6	929.4
52.5°	880.9	880.9	878.7	874.3	874.3
55°	825.9	823.6	821.4	814.8	814.8
57.5°	768.6	766.4	762.0	755.4	755.4
60°	704.7	704.7	702.5	693.7	695.9
62.5°	645.3	643.1	640.9	634.3	632.1
65°	581.4	581.4	579.2	570.4	570.4
67.5°	519.7	519.7	515.3	506.5	506.5
70°	460.3	453.7	451.5	444.9	442.7
72.5°	394.2	392.0	387.6	381.0	381.0
75°	334.7	330.3	325.9	319.3	319.3
77.5°	270.9	266.5	262.1	259.9	255.5
80°	211.4	209.2	207.0	200.4	198.2
82.5°	152.0	149.8	147.6	145.3	143.1
85°	96.9	94.7	94.7	90.3	90.3
87.5°	41.8	44.0	39.6	41.8	39.6
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)