

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: P568514

Luminaire Tested: **24CGTX-55-L830**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568514
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-L830
Description: 2X4 5500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

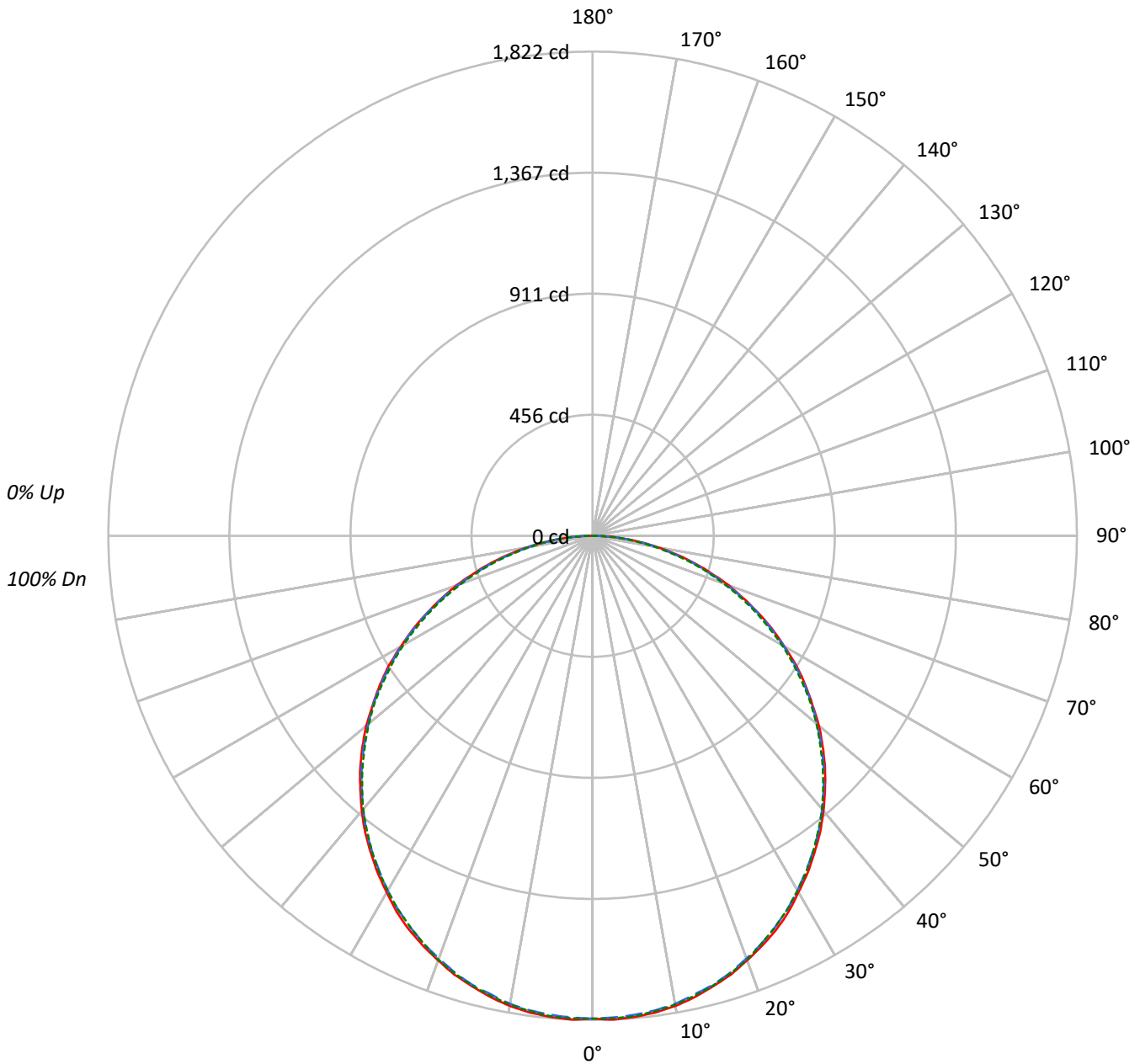
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5339.9 lumens
Efficiency: N/A
Efficacy: 121.1 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_{in}): 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									
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	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°	2445	2445	2445
5°	2454	2444	2451
10°	2454	2444	2447
15°	2444	2437	2441
20°	2434	2423	2431
25°	2427	2412	2412
30°	2407	2395	2395
35°	2391	2378	2378
40°	2373	2360	2360
45°	2353	2338	2328
50°	2327	2305	2300
55°	2290	2278	2260
60°	2242	2235	2214
65°	2188	2180	2147
70°	2140	2100	2059
75°	2057	2003	1962
80°	1936	1896	1815
85°	1769	1729	1647



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.2	3.2
10°-20°	493.7	9.2
20°-30°	749.3	14.0
30°-40°	906.6	17.0
40°-50°	947.1	17.7
50°-60°	866.4	16.2
60°-70°	674.3	12.6
70°-80°	406.4	7.6
80°-90°	123.9	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°	1415.3	26.5
0°-40°	2321.9	43.5
0°-60°	4135.4	77.4
0°-90°	5339.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5339.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1817	1817	1817	1817	1817	
5°	1817	1812	1810	1810	1815	173
15°	1755	1750	1750	1747	1752	496
25°	1635	1627	1625	1622	1625	753
35°	1455	1450	1448	1448	1448	911
45°	1237	1229	1229	1224	1224	953
55°	976	974	971	963	963	872
65°	687	687	685	674	674	681
75°	396	390	385	378	378	416
85°	115	112	112	107	107	127
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1817.3	1817.3	1817.3	1817.3	1817.3
2.5°	1822.5	1817.3	1814.7	1814.7	1817.3
5°	1817.3	1812.1	1809.5	1809.5	1814.7
7.5°	1809.5	1801.6	1801.6	1799.0	1804.2
10°	1796.4	1788.6	1788.6	1786.0	1791.2
12.5°	1778.2	1770.4	1767.8	1767.8	1773.0
15°	1754.8	1749.6	1749.6	1747.0	1752.2
17.5°	1731.3	1723.5	1723.5	1720.9	1726.1
20°	1700.1	1694.9	1692.3	1692.3	1697.5
22.5°	1668.9	1663.7	1661.0	1661.0	1661.0
25°	1635.0	1627.2	1624.6	1622.0	1624.6
27.5°	1596.0	1585.5	1585.5	1582.9	1585.5
30°	1549.1	1543.9	1541.3	1538.7	1541.3
32.5°	1504.8	1497.0	1494.4	1497.0	1497.0
35°	1455.4	1450.2	1447.6	1447.6	1447.6
37.5°	1405.9	1398.1	1398.1	1395.5	1395.5
40°	1351.2	1346.0	1343.4	1343.4	1343.4
42.5°	1294.0	1288.7	1286.1	1283.5	1283.5
45°	1236.7	1228.9	1228.9	1223.7	1223.7
47.5°	1174.2	1169.0	1166.4	1161.2	1161.2
50°	1111.7	1106.5	1101.3	1101.3	1098.7
52.5°	1041.4	1041.4	1038.8	1033.6	1033.6
55°	976.3	973.7	971.1	963.3	963.3
57.5°	908.6	906.0	900.8	893.0	893.0
60°	833.1	833.1	830.5	820.1	822.7
62.5°	762.8	760.2	757.6	749.8	747.2
65°	687.3	687.3	684.7	674.3	674.3
67.5°	614.4	614.4	609.2	598.8	598.8
70°	544.1	536.3	533.7	525.9	523.3
72.5°	466.0	463.4	458.2	450.4	450.4
75°	395.7	390.5	385.3	377.5	377.5
77.5°	320.2	315.0	309.8	307.2	302.0
80°	249.9	247.3	244.7	236.9	234.3
82.5°	179.6	177.0	174.4	171.8	169.2
85°	114.6	112.0	112.0	106.7	106.7
87.5°	49.5	52.1	46.9	49.5	46.9
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)