

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: P568534

Luminaire Tested: **24CGTX-55-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568534
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-L835
Description: 2X4 5500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

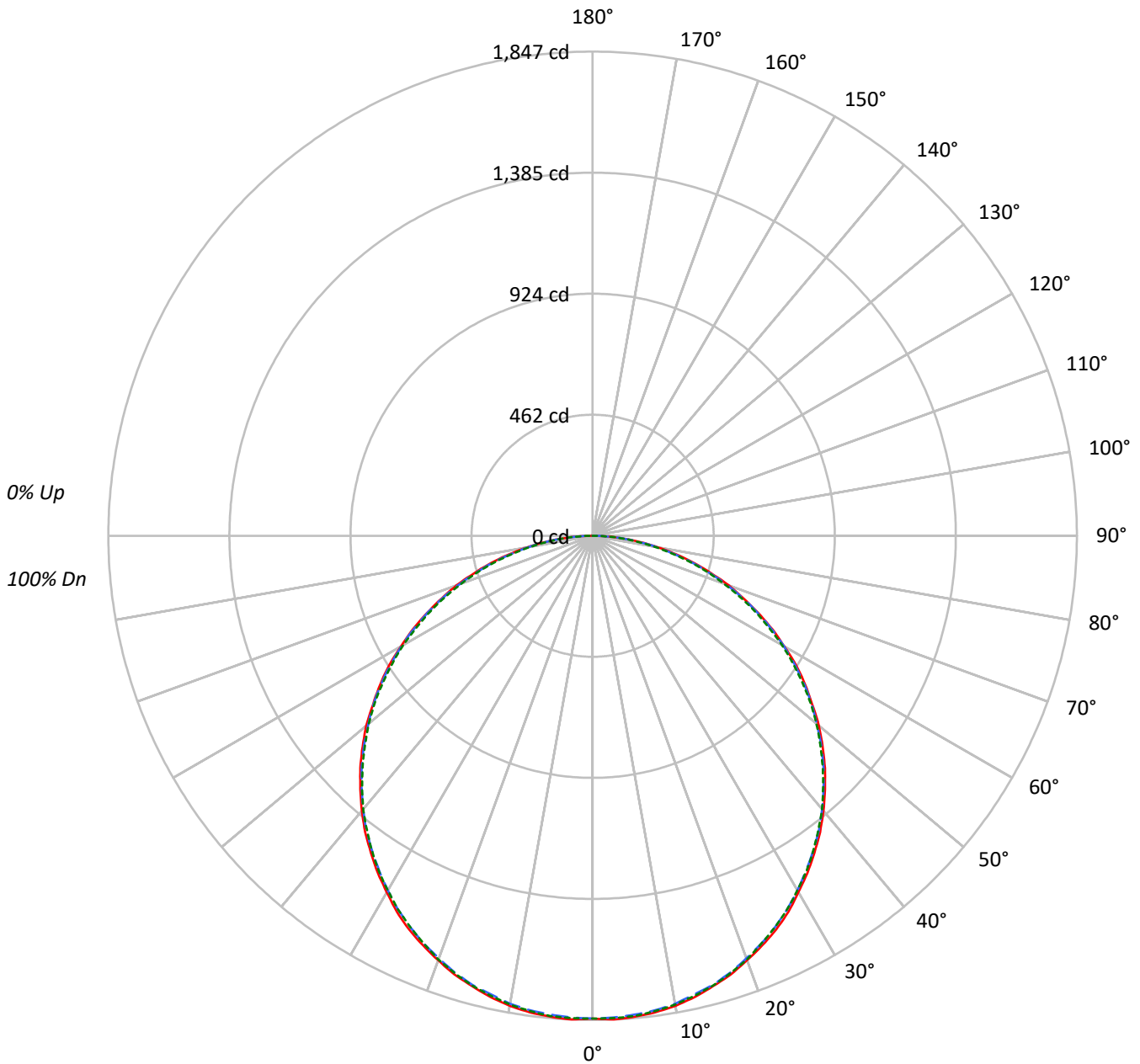
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5412.0 lumens
Efficiency: N/A
Efficacy: 122.7 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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2478	2478	2478
5°	2488	2477	2484
10°	2488	2477	2480
15°	2477	2470	2474
20°	2467	2456	2463
25°	2460	2444	2444
30°	2439	2427	2427
35°	2423	2410	2410
40°	2405	2391	2391
45°	2385	2370	2360
50°	2358	2336	2331
55°	2321	2309	2290
60°	2272	2265	2244
65°	2218	2209	2176
70°	2170	2128	2087
75°	2085	2030	1989
80°	1963	1922	1840
85°	1792	1752	1670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	3.2
10°-20°	500.4	9.2
20°-30°	759.4	14.0
30°-40°	918.9	17.0
40°-50°	959.9	17.7
50°-60°	878.1	16.2
60°-70°	683.4	12.6
70°-80°	411.9	7.6
80°-90°	125.5	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°	1434.3	26.5
0°-40°	2353.2	43.5
0°-60°	4191.1	77.4
0°-90°	5412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5412.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1842	1842	1842	1842	1842	
5°	1842	1836	1834	1834	1839	175
15°	1778	1773	1773	1770	1776	502
25°	1657	1649	1646	1644	1646	763
35°	1475	1470	1467	1467	1467	923
45°	1253	1245	1245	1240	1240	966
55°	990	987	984	976	976	884
65°	697	697	694	683	683	691
75°	401	396	390	383	383	422
85°	116	114	114	108	108	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1841.8	1841.8	1841.8	1841.8	1841.8
2.5°	1847.0	1841.8	1839.1	1839.1	1841.8
5°	1841.8	1836.5	1833.8	1833.8	1839.1
7.5°	1833.8	1825.9	1825.9	1823.3	1828.6
10°	1820.7	1812.7	1812.7	1810.1	1815.4
12.5°	1802.2	1794.3	1791.6	1791.6	1796.9
15°	1778.4	1773.2	1773.2	1770.5	1775.8
17.5°	1754.7	1746.8	1746.8	1744.1	1749.4
20°	1723.0	1717.7	1715.1	1715.1	1720.4
22.5°	1691.4	1686.1	1683.4	1683.4	1683.4
25°	1657.1	1649.1	1646.5	1643.9	1646.5
27.5°	1617.5	1606.9	1606.9	1604.3	1606.9
30°	1570.0	1564.7	1562.1	1559.4	1562.1
32.5°	1525.1	1517.2	1514.6	1517.2	1517.2
35°	1475.0	1469.7	1467.1	1467.1	1467.1
37.5°	1424.9	1416.9	1416.9	1414.3	1414.3
40°	1369.4	1364.2	1361.5	1361.5	1361.5
42.5°	1311.4	1306.1	1303.5	1300.8	1300.8
45°	1253.3	1245.4	1245.4	1240.2	1240.2
47.5°	1190.0	1184.7	1182.1	1176.8	1176.8
50°	1126.7	1121.4	1116.1	1116.1	1113.5
52.5°	1055.5	1055.5	1052.8	1047.5	1047.5
55°	989.5	986.8	984.2	976.3	976.3
57.5°	920.9	918.2	913.0	905.1	905.1
60°	844.4	844.4	841.7	831.2	833.8
62.5°	773.1	770.5	767.8	759.9	757.3
65°	696.6	696.6	694.0	683.4	683.4
67.5°	622.7	622.7	617.4	606.9	606.9
70°	551.5	543.6	540.9	533.0	530.4
72.5°	472.3	469.7	464.4	456.5	456.5
75°	401.1	395.8	390.5	382.6	382.6
77.5°	324.6	319.3	314.0	311.4	306.1
80°	253.3	250.7	248.0	240.1	237.5
82.5°	182.1	179.4	176.8	174.1	171.5
85°	116.1	113.5	113.5	108.2	108.2
87.5°	50.1	52.8	47.5	50.1	47.5
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)