

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: P568554

Luminaire Tested: **24CGTX-55-L840**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568554
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-L840
Description: 2X4 5500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

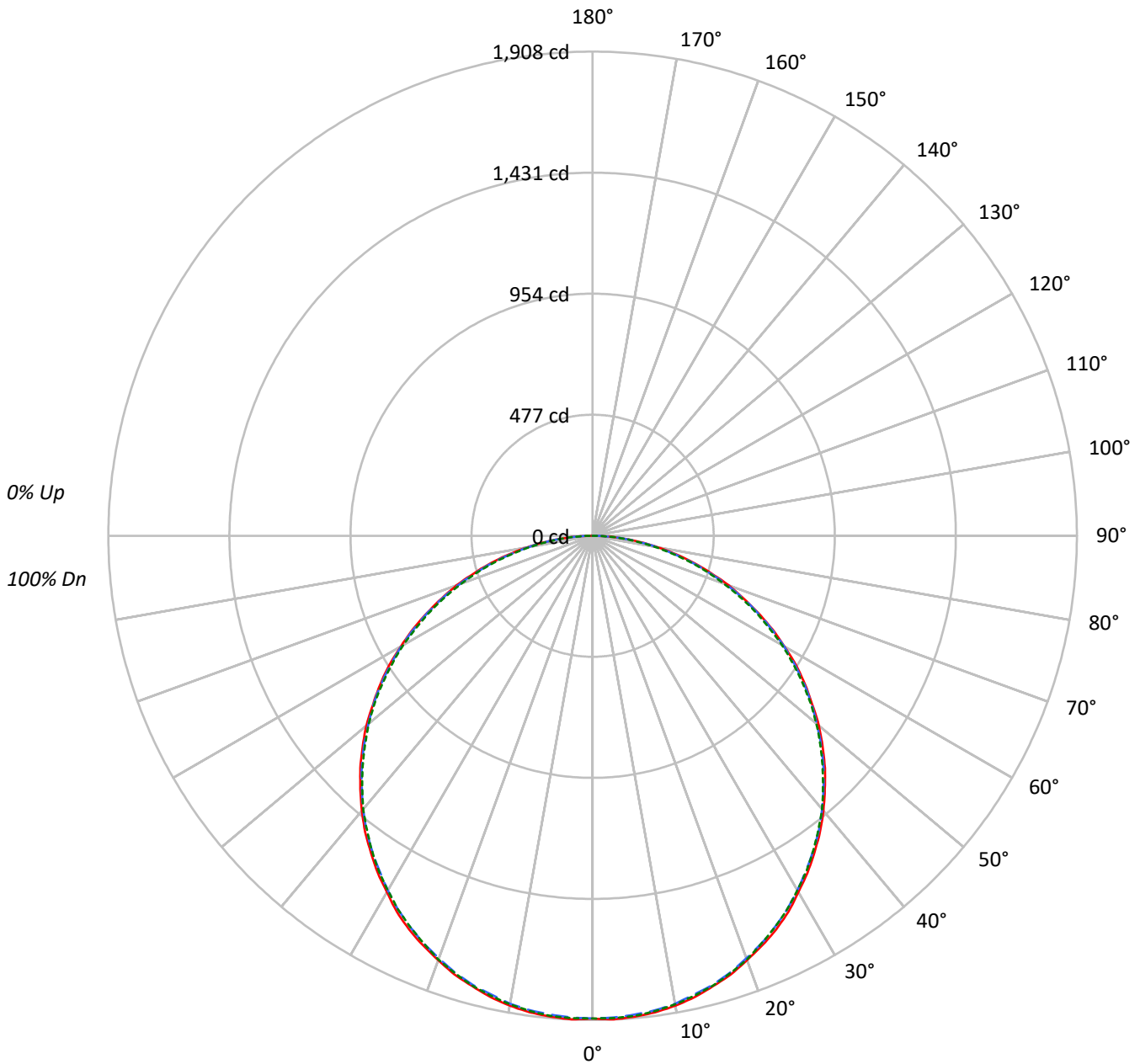
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5590.0 lumens
Efficiency: N/A
Efficacy: 126.8 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				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°	2560	2560	2560
5°	2569	2558	2566
10°	2569	2558	2562
15°	2559	2551	2555
20°	2548	2537	2544
25°	2541	2525	2525
30°	2519	2507	2507
35°	2502	2489	2489
40°	2484	2470	2470
45°	2463	2448	2437
50°	2436	2413	2407
55°	2397	2385	2365
60°	2347	2340	2317
65°	2291	2282	2247
70°	2241	2198	2155
75°	2154	2097	2054
80°	2027	1985	1901
85°	1851	1809	1724



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	3.2
10°-20°	516.9	9.2
20°-30°	784.4	14.0
30°-40°	949.1	17.0
40°-50°	991.5	17.7
50°-60°	906.9	16.2
60°-70°	705.9	12.6
70°-80°	425.4	7.6
80°-90°	129.7	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°	1481.5	26.5
0°-40°	2430.6	43.5
0°-60°	4329.0	77.4
0°-90°	5590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5590.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1902	1902	1902	1902	1902	
5°	1902	1897	1894	1894	1900	181
15°	1837	1832	1832	1829	1834	519
25°	1712	1703	1701	1698	1701	788
35°	1524	1518	1515	1515	1515	954
45°	1295	1286	1286	1281	1281	998
55°	1022	1019	1017	1008	1008	913
65°	720	720	717	706	706	713
75°	414	409	403	395	395	436
85°	120	117	117	112	112	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1907.8	1902.3	1899.6	1899.6	1902.3
5°	1902.3	1896.9	1894.2	1894.2	1899.6
7.5°	1894.2	1886.0	1886.0	1883.3	1888.7
10°	1880.5	1872.4	1872.4	1869.6	1875.1
12.5°	1861.5	1853.3	1850.6	1850.6	1856.0
15°	1836.9	1831.5	1831.5	1828.8	1834.2
17.5°	1812.4	1804.2	1804.2	1801.5	1806.9
20°	1779.7	1774.2	1771.5	1771.5	1777.0
22.5°	1747.0	1741.5	1738.8	1738.8	1738.8
25°	1711.6	1703.4	1700.7	1697.9	1700.7
27.5°	1670.7	1659.8	1659.8	1657.1	1659.8
30°	1621.6	1616.2	1613.4	1610.7	1613.4
32.5°	1575.3	1567.1	1564.4	1567.1	1567.1
35°	1523.5	1518.1	1515.3	1515.3	1515.3
37.5°	1471.7	1463.5	1463.5	1460.8	1460.8
40°	1414.5	1409.0	1406.3	1406.3	1406.3
42.5°	1354.5	1349.1	1346.4	1343.6	1343.6
45°	1294.6	1286.4	1286.4	1280.9	1280.9
47.5°	1229.2	1223.7	1221.0	1215.5	1215.5
50°	1163.8	1158.3	1152.9	1152.9	1150.1
52.5°	1090.2	1090.2	1087.4	1082.0	1082.0
55°	1022.0	1019.3	1016.6	1008.4	1008.4
57.5°	951.2	948.4	943.0	934.8	934.8
60°	872.1	872.1	869.4	858.5	861.2
62.5°	798.5	795.8	793.1	784.9	782.2
65°	719.5	719.5	716.8	705.9	705.9
67.5°	643.2	643.2	637.7	626.8	626.8
70°	569.6	561.4	558.7	550.5	547.8
72.5°	487.8	485.1	479.7	471.5	471.5
75°	414.3	408.8	403.4	395.2	395.2
77.5°	335.2	329.8	324.3	321.6	316.1
80°	261.6	258.9	256.2	248.0	245.3
82.5°	188.1	185.3	182.6	179.9	177.2
85°	119.9	117.2	117.2	111.7	111.7
87.5°	51.8	54.5	49.1	51.8	49.1
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)