

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: P568584

Luminaire Tested: **24CGTX-55-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568584
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-L950
Description: 2X4 5500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

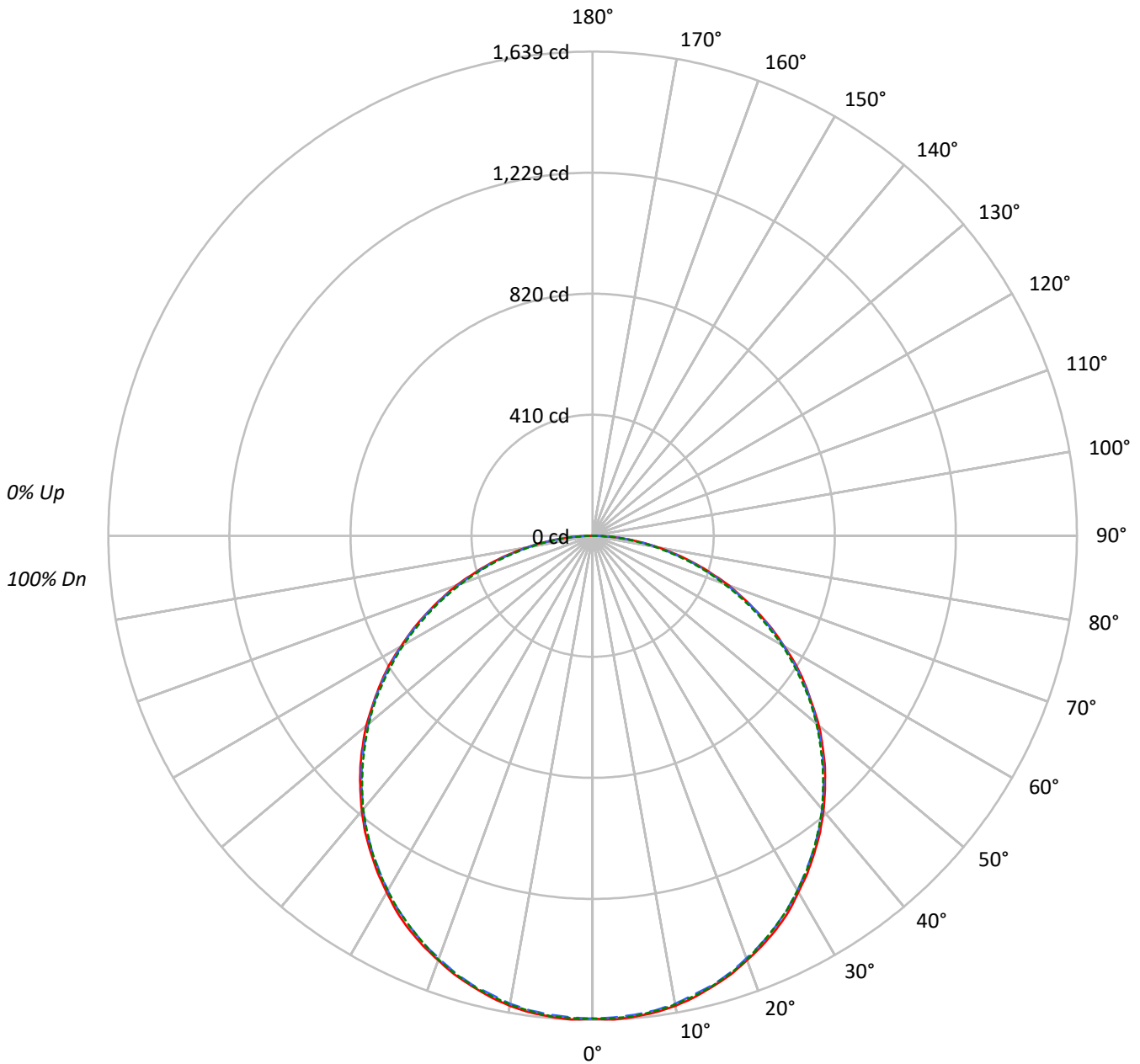
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4803.0 lumens
Efficiency: N/A
Efficacy: 108.9 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°	2199	2199	2199
5°	2208	2198	2204
10°	2208	2198	2201
15°	2198	2192	2195
20°	2189	2179	2186
25°	2183	2169	2169
30°	2165	2154	2154
35°	2150	2139	2139
40°	2135	2122	2122
45°	2116	2103	2094
50°	2093	2073	2069
55°	2060	2049	2032
60°	2016	2010	1991
65°	1968	1961	1931
70°	1925	1889	1852
75°	1850	1802	1765
80°	1742	1705	1633
85°	1590	1555	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	3.2
10°-20°	444.1	9.2
20°-30°	674.0	14.0
30°-40°	815.5	17.0
40°-50°	851.9	17.7
50°-60°	779.2	16.2
60°-70°	606.5	12.6
70°-80°	365.5	7.6
80°-90°	111.4	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°	1272.9	26.5
0°-40°	2088.4	43.5
0°-60°	3719.5	77.4
0°-90°	4803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1634	1634	1634	1634	1634	
5°	1634	1630	1628	1628	1632	155
15°	1578	1574	1574	1571	1576	446
25°	1471	1464	1461	1459	1461	677
35°	1309	1304	1302	1302	1302	819
45°	1112	1105	1105	1101	1101	857
55°	878	876	874	866	866	784
65°	618	618	616	606	606	613
75°	356	351	347	340	340	375
85°	103	101	101	96	96	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1634.5	1634.5	1634.5	1634.5	1634.5
2.5°	1639.2	1634.5	1632.2	1632.2	1634.5
5°	1634.5	1629.8	1627.5	1627.5	1632.2
7.5°	1627.5	1620.5	1620.5	1618.1	1622.8
10°	1615.8	1608.8	1608.8	1606.4	1611.1
12.5°	1599.4	1592.4	1590.0	1590.0	1594.7
15°	1578.3	1573.6	1573.6	1571.3	1576.0
17.5°	1557.2	1550.2	1550.2	1547.9	1552.6
20°	1529.1	1524.5	1522.1	1522.1	1526.8
22.5°	1501.0	1496.4	1494.0	1494.0	1494.0
25°	1470.6	1463.6	1461.2	1458.9	1461.2
27.5°	1435.5	1426.1	1426.1	1423.8	1426.1
30°	1393.3	1388.6	1386.3	1384.0	1386.3
32.5°	1353.5	1346.5	1344.1	1346.5	1346.5
35°	1309.0	1304.3	1302.0	1302.0	1302.0
37.5°	1264.5	1257.5	1257.5	1255.2	1255.2
40°	1215.3	1210.7	1208.3	1208.3	1208.3
42.5°	1163.8	1159.1	1156.8	1154.5	1154.5
45°	1112.3	1105.3	1105.3	1100.6	1100.6
47.5°	1056.1	1051.4	1049.1	1044.4	1044.4
50°	999.9	995.2	990.5	990.5	988.2
52.5°	936.7	936.7	934.3	929.7	929.7
55°	878.1	875.8	873.5	866.4	866.4
57.5°	817.3	814.9	810.2	803.2	803.2
60°	749.3	749.3	747.0	737.6	740.0
62.5°	686.1	683.8	681.4	674.4	672.1
65°	618.2	618.2	615.9	606.5	606.5
67.5°	552.6	552.6	548.0	538.6	538.6
70°	489.4	482.4	480.1	473.0	470.7
72.5°	419.2	416.8	412.1	405.1	405.1
75°	355.9	351.3	346.6	339.5	339.5
77.5°	288.0	283.3	278.7	276.3	271.6
80°	224.8	222.5	220.1	213.1	210.8
82.5°	161.6	159.2	156.9	154.6	152.2
85°	103.0	100.7	100.7	96.0	96.0
87.5°	44.5	46.8	42.2	44.5	42.2
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)