

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: P568503

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568503
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-55HE-L950
Description: 2X4 5500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

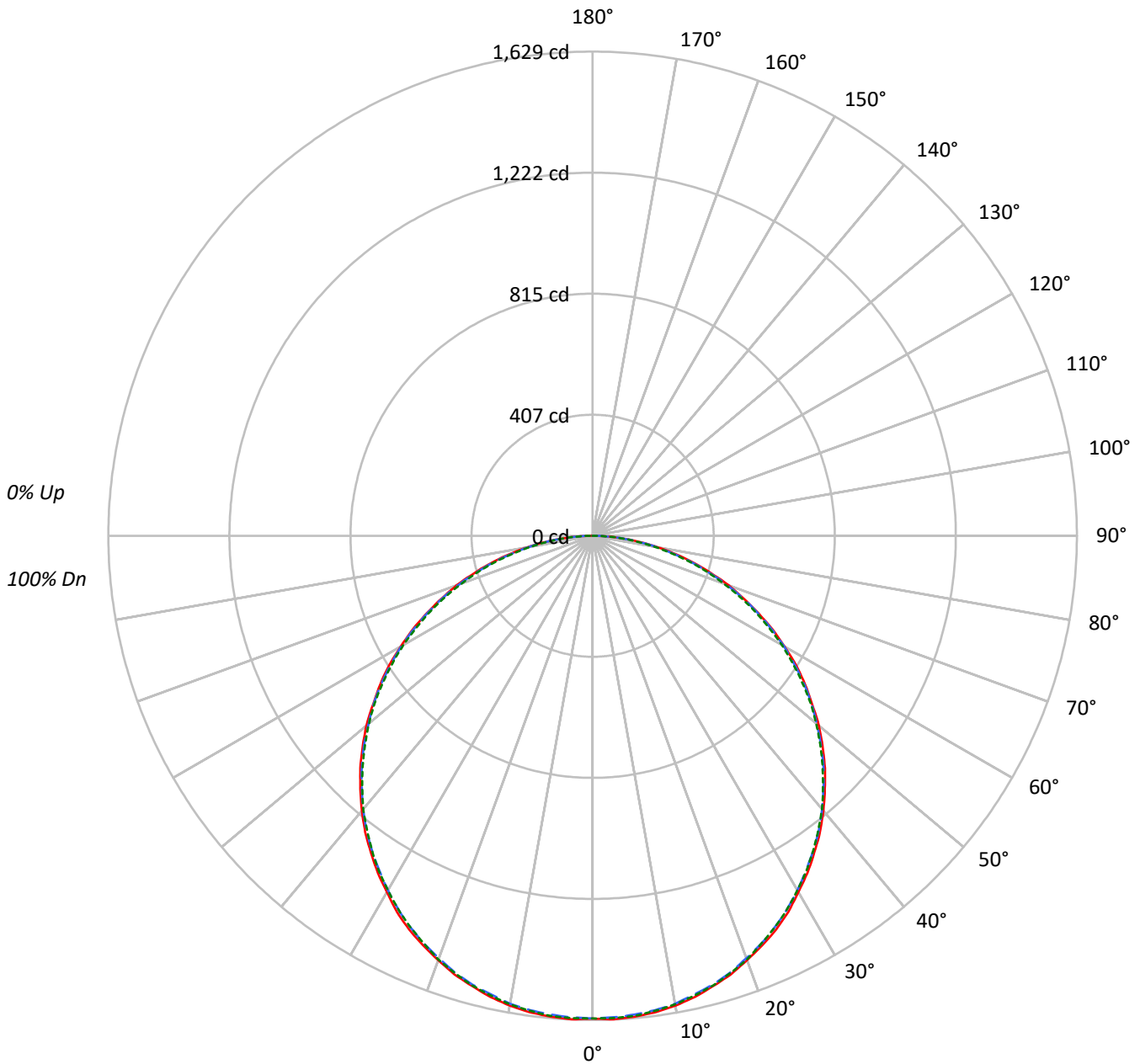
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4772.0 lumens
Efficiency: N/A
Efficacy: 107.7 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): 44.3
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°	2185	2185	2185
5°	2193	2184	2190
10°	2193	2184	2187
15°	2184	2178	2181
20°	2175	2165	2172
25°	2169	2155	2155
30°	2151	2140	2140
35°	2136	2125	2125
40°	2121	2109	2109
45°	2103	2090	2081
50°	2080	2060	2055
55°	2047	2036	2019
60°	2003	1997	1978
65°	1955	1948	1918
70°	1913	1876	1840
75°	1838	1790	1754
80°	1731	1695	1623
85°	1581	1544	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	3.2
10°-20°	441.2	9.2
20°-30°	669.6	14.0
30°-40°	810.2	17.0
40°-50°	846.4	17.7
50°-60°	774.2	16.2
60°-70°	602.6	12.6
70°-80°	363.2	7.6
80°-90°	110.7	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°	1264.7	26.5
0°-40°	2074.9	43.5
0°-60°	3695.5	77.4
0°-90°	4772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4772.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1624	1624	1624	1624	1624	
5°	1624	1619	1617	1617	1622	154
15°	1568	1564	1564	1561	1566	443
25°	1461	1454	1452	1450	1452	673
35°	1301	1296	1294	1294	1294	814
45°	1105	1098	1098	1094	1094	852
55°	872	870	868	861	861	779
65°	614	614	612	603	603	609
75°	354	349	344	337	337	372
85°	102	100	100	95	95	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1628.6	1624.0	1621.6	1621.6	1624.0
5°	1624.0	1619.3	1617.0	1617.0	1621.6
7.5°	1617.0	1610.0	1610.0	1607.7	1612.3
10°	1605.4	1598.4	1598.4	1596.0	1600.7
12.5°	1589.1	1582.1	1579.8	1579.8	1584.4
15°	1568.1	1563.5	1563.5	1561.1	1565.8
17.5°	1547.2	1540.2	1540.2	1537.9	1542.5
20°	1519.3	1514.6	1512.3	1512.3	1516.9
22.5°	1491.3	1486.7	1484.4	1484.4	1484.4
25°	1461.1	1454.1	1451.8	1449.5	1451.8
27.5°	1426.2	1416.9	1416.9	1414.6	1416.9
30°	1384.3	1379.7	1377.3	1375.0	1377.3
32.5°	1344.8	1337.8	1335.5	1337.8	1337.8
35°	1300.6	1295.9	1293.6	1293.6	1293.6
37.5°	1256.4	1249.4	1249.4	1247.1	1247.1
40°	1207.5	1202.9	1200.5	1200.5	1200.5
42.5°	1156.3	1151.7	1149.3	1147.0	1147.0
45°	1105.1	1098.2	1098.2	1093.5	1093.5
47.5°	1049.3	1044.6	1042.3	1037.7	1037.7
50°	993.5	988.8	984.2	984.2	981.8
52.5°	930.6	930.6	928.3	923.7	923.7
55°	872.5	870.1	867.8	860.8	860.8
57.5°	812.0	809.7	805.0	798.0	798.0
60°	744.5	744.5	742.2	732.9	735.2
62.5°	681.7	679.4	677.0	670.1	667.7
65°	614.2	614.2	611.9	602.6	602.6
67.5°	549.1	549.1	544.4	535.1	535.1
70°	486.3	479.3	477.0	470.0	467.6
72.5°	416.5	414.1	409.5	402.5	402.5
75°	353.6	349.0	344.3	337.4	337.4
77.5°	286.2	281.5	276.9	274.5	269.9
80°	223.4	221.0	218.7	211.7	209.4
82.5°	160.5	158.2	155.9	153.6	151.2
85°	102.4	100.0	100.0	95.4	95.4
87.5°	44.2	46.5	41.9	44.2	41.9
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)