

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: P568459

Luminaire Tested: **24CGTX-55HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568459
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-L935
Description: 2X4 5500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

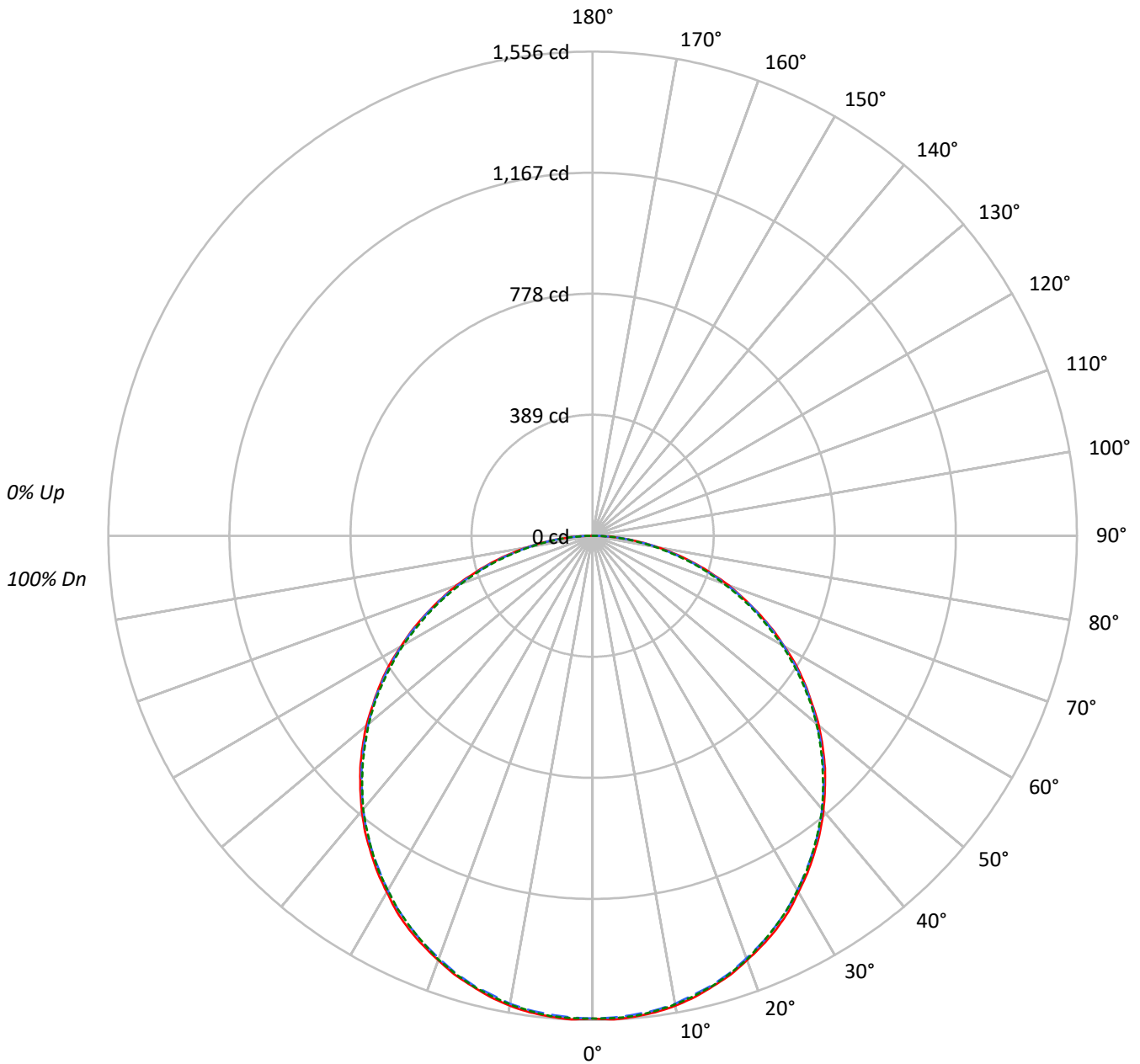
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4559.0 lumens
Efficiency: N/A
Efficacy: 102.9 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): 44.3
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				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				100
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69				69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58				58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37				37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32				32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29				29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26				26
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2088	2088	2088
5°	2096	2086	2093
10°	2095	2086	2089
15°	2087	2081	2084
20°	2078	2069	2075
25°	2072	2059	2059
30°	2055	2044	2044
35°	2041	2030	2030
40°	2026	2014	2014
45°	2009	1996	1988
50°	1987	1968	1963
55°	1955	1945	1929
60°	1914	1908	1890
65°	1868	1861	1833
70°	1828	1793	1758
75°	1757	1710	1675
80°	1654	1619	1550
85°	1510	1476	1406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	3.2
10°-20°	421.5	9.2
20°-30°	639.7	14.0
30°-40°	774.0	17.0
40°-50°	808.6	17.7
50°-60°	739.7	16.2
60°-70°	575.7	12.6
70°-80°	347.0	7.6
80°-90°	105.7	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°	1208.3	26.5
0°-40°	1982.3	43.5
0°-60°	3530.6	77.4
0°-90°	4559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1552	1552	1552	1552	1552	
5°	1552	1547	1545	1545	1549	148
15°	1498	1494	1494	1492	1496	423
25°	1396	1389	1387	1385	1387	643
35°	1242	1238	1236	1236	1236	778
45°	1056	1049	1049	1045	1045	814
55°	834	831	829	822	822	745
65°	587	587	585	576	576	582
75°	338	333	329	322	322	356
85°	98	96	96	91	91	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1551.5	1551.5	1551.5	1551.5	1551.5
2.5°	1555.9	1551.5	1549.3	1549.3	1551.5
5°	1551.5	1547.0	1544.8	1544.8	1549.3
7.5°	1544.8	1538.1	1538.1	1535.9	1540.4
10°	1533.7	1527.0	1527.0	1524.8	1529.3
12.5°	1518.1	1511.5	1509.2	1509.2	1513.7
15°	1498.1	1493.7	1493.7	1491.5	1495.9
17.5°	1478.1	1471.5	1471.5	1469.2	1473.7
20°	1451.5	1447.0	1444.8	1444.8	1449.2
22.5°	1424.8	1420.3	1418.1	1418.1	1418.1
25°	1395.9	1389.2	1387.0	1384.8	1387.0
27.5°	1362.5	1353.7	1353.7	1351.4	1353.7
30°	1322.5	1318.1	1315.9	1313.6	1315.9
32.5°	1284.7	1278.1	1275.9	1278.1	1278.1
35°	1242.5	1238.1	1235.8	1235.8	1235.8
37.5°	1200.3	1193.6	1193.6	1191.4	1191.4
40°	1153.6	1149.2	1146.9	1146.9	1146.9
42.5°	1104.7	1100.3	1098.0	1095.8	1095.8
45°	1055.8	1049.1	1049.1	1044.7	1044.7
47.5°	1002.5	998.0	995.8	991.3	991.3
50°	949.1	944.7	940.2	940.2	938.0
52.5°	889.1	889.1	886.9	882.4	882.4
55°	833.5	831.3	829.1	822.4	822.4
57.5°	775.7	773.5	769.1	762.4	762.4
60°	711.3	711.3	709.1	700.2	702.4
62.5°	651.3	649.0	646.8	640.2	637.9
65°	586.8	586.8	584.6	575.7	575.7
67.5°	524.6	524.6	520.1	511.2	511.2
70°	464.6	457.9	455.7	449.0	446.8
72.5°	397.9	395.6	391.2	384.5	384.5
75°	337.9	333.4	329.0	322.3	322.3
77.5°	273.4	269.0	264.5	262.3	257.8
80°	213.4	211.2	208.9	202.3	200.0
82.5°	153.4	151.1	148.9	146.7	144.5
85°	97.8	95.6	95.6	91.1	91.1
87.5°	42.2	44.5	40.0	42.2	40.0
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)