

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: P568426

Luminaire Tested: **24CGTX-55HE-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568426
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-L830
Description: 2X4 5500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

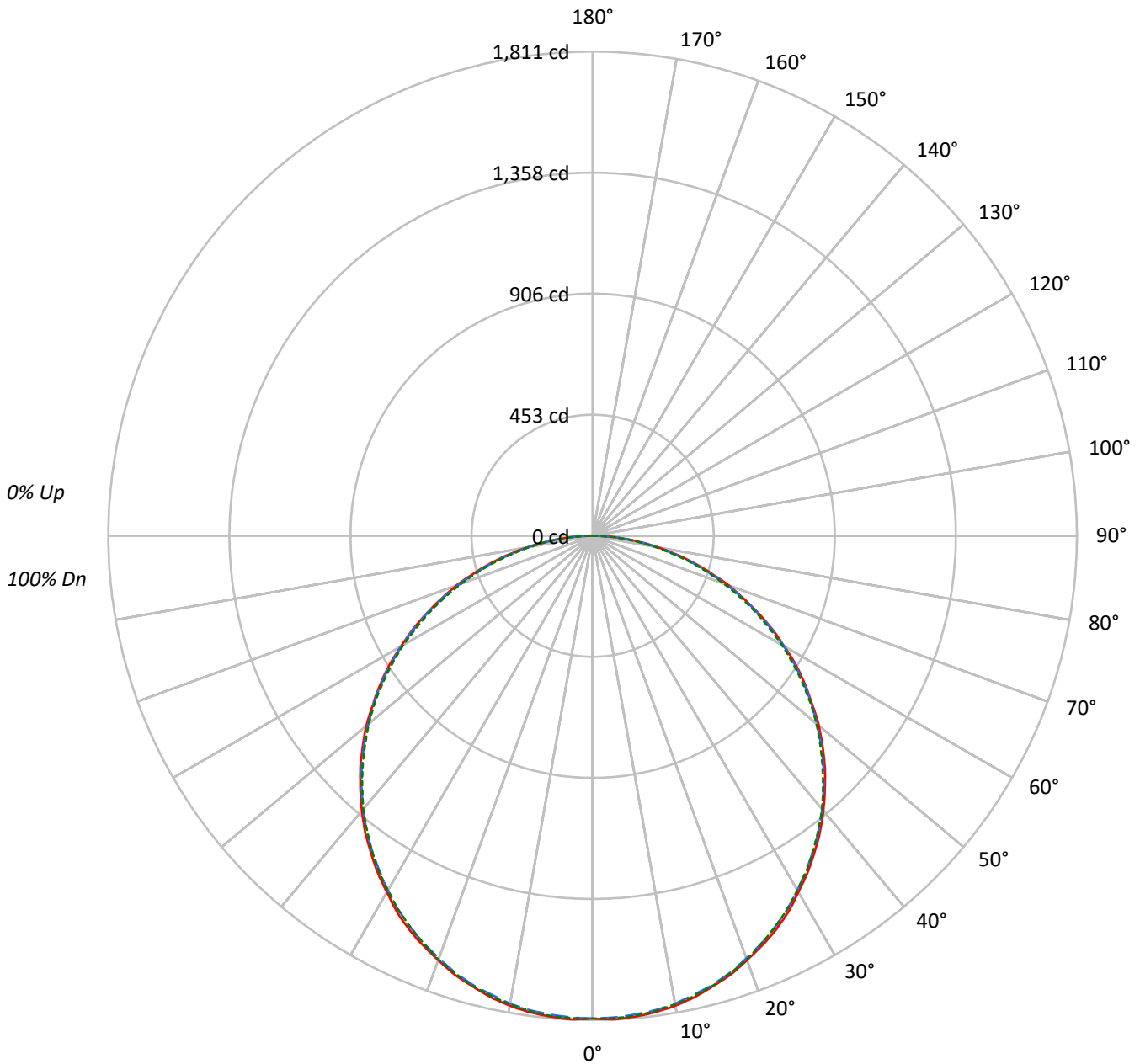
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5306.0 lumens
Efficiency: N/A
Efficacy: 119.8 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): 44.3
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

TEST NUMBER: P568426
CATALOG NUMBER: 24CGTX-55HE-L830

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	2430	2430	2430
5°	2439	2428	2435
10°	2439	2428	2432
15°	2429	2422	2425
20°	2419	2408	2415
25°	2412	2397	2397
30°	2391	2379	2379
35°	2375	2362	2362
40°	2358	2345	2345
45°	2338	2323	2314
50°	2312	2291	2285
55°	2276	2263	2245
60°	2228	2221	2200
65°	2174	2166	2133
70°	2127	2086	2046
75°	2044	1991	1950
80°	1924	1884	1804
85°	1757	1717	1638



TEST NUMBER: P568426
 CATALOG NUMBER: 24CGTX-55HE-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	3.2
10°-20°	490.6	9.2
20°-30°	744.5	14.0
30°-40°	900.9	17.0
40°-50°	941.1	17.7
50°-60°	860.9	16.2
60°-70°	670.0	12.6
70°-80°	403.8	7.6
80°-90°	123.1	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°	1406.3	26.5
0°-40°	2307.1	43.5
0°-60°	4109.1	77.4
0°-90°	5306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1806	1806	1806	1806	1806	
5°	1806	1800	1798	1798	1803	172
15°	1744	1738	1738	1736	1741	492
25°	1625	1617	1614	1612	1614	748
35°	1446	1441	1438	1438	1438	905
45°	1229	1221	1221	1216	1216	947
55°	970	968	965	957	957	867
65°	683	683	680	670	670	677
75°	393	388	383	375	375	414
85°	114	111	111	106	106	127
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1805.7	1805.7	1805.7	1805.7	1805.7
2.5°	1810.9	1805.7	1803.1	1803.1	1805.7
5°	1805.7	1800.5	1797.9	1797.9	1803.1
7.5°	1797.9	1790.2	1790.2	1787.6	1792.8
10°	1785.0	1777.2	1777.2	1774.6	1779.8
12.5°	1766.9	1759.1	1756.5	1756.5	1761.7
15°	1743.6	1738.4	1738.4	1735.8	1741.0
17.5°	1720.3	1712.6	1712.6	1710.0	1715.1
20°	1689.3	1684.1	1681.5	1681.5	1686.7
22.5°	1658.2	1653.1	1650.5	1650.5	1650.5
25°	1624.6	1616.8	1614.3	1611.7	1614.3
27.5°	1585.8	1575.5	1575.5	1572.9	1575.5
30°	1539.2	1534.1	1531.5	1528.9	1531.5
32.5°	1495.3	1487.5	1484.9	1487.5	1487.5
35°	1446.1	1440.9	1438.3	1438.3	1438.3
37.5°	1397.0	1389.2	1389.2	1386.6	1386.6
40°	1342.6	1337.5	1334.9	1334.9	1334.9
42.5°	1285.7	1280.5	1278.0	1275.4	1275.4
45°	1228.8	1221.0	1221.0	1215.9	1215.9
47.5°	1166.7	1161.5	1159.0	1153.8	1153.8
50°	1104.6	1099.5	1094.3	1094.3	1091.7
52.5°	1034.8	1034.8	1032.2	1027.0	1027.0
55°	970.1	967.5	964.9	957.2	957.2
57.5°	902.8	900.3	895.1	887.3	887.3
60°	827.8	827.8	825.2	814.9	817.5
62.5°	758.0	755.4	752.8	745.0	742.5
65°	683.0	683.0	680.4	670.0	670.0
67.5°	610.5	610.5	605.3	595.0	595.0
70°	540.7	532.9	530.3	522.6	520.0
72.5°	463.1	460.5	455.3	447.5	447.5
75°	393.2	388.0	382.9	375.1	375.1
77.5°	318.2	313.0	307.8	305.3	300.1
80°	248.3	245.8	243.2	235.4	232.8
82.5°	178.5	175.9	173.3	170.7	168.2
85°	113.8	111.2	111.2	106.1	106.1
87.5°	49.2	51.7	46.6	49.2	46.6
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)