

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: P568492

Luminaire Tested: **24CGTX-55HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568492
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-L850
Description: 2X4 5500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

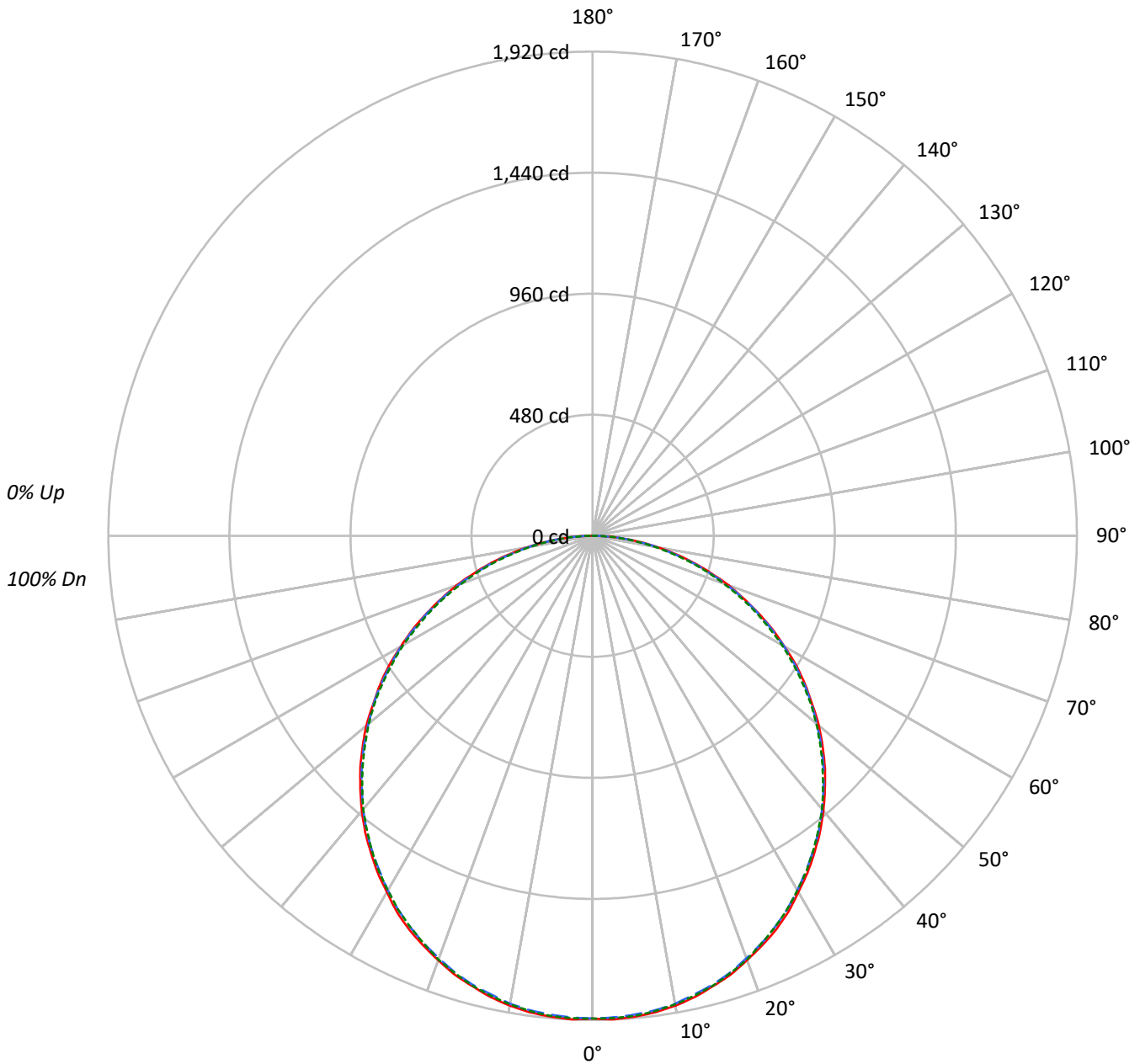
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5625.0 lumens
Efficiency: N/A
Efficacy: 127.0 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: P568492
CATALOG NUMBER: 24CGTX-55HE-L850

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	2576	2576	2576
5°	2586	2574	2582
10°	2585	2574	2578
15°	2575	2567	2571
20°	2564	2552	2560
25°	2557	2541	2541
30°	2535	2522	2522
35°	2518	2505	2505
40°	2500	2485	2485
45°	2479	2463	2453
50°	2451	2428	2422
55°	2412	2400	2380
60°	2362	2354	2332
65°	2305	2296	2261
70°	2255	2212	2168
75°	2167	2110	2067
80°	2040	1998	1912
85°	1863	1820	1735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.4	3.2
10°-20°	520.1	9.2
20°-30°	789.3	14.0
30°-40°	955.0	17.0
40°-50°	997.7	17.7
50°-60°	912.6	16.2
60°-70°	710.3	12.6
70°-80°	428.1	7.6
80°-90°	130.5	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°	1490.8	26.5
0°-40°	2445.8	43.5
0°-60°	4356.1	77.4
0°-90°	5625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1914	1914	1914	1914	1914	
5°	1914	1909	1906	1906	1912	182
15°	1848	1843	1843	1840	1846	522
25°	1722	1714	1711	1709	1711	793
35°	1533	1528	1525	1525	1525	960
45°	1303	1294	1294	1289	1289	1004
55°	1028	1026	1023	1015	1015	919
65°	724	724	721	710	710	718
75°	417	411	406	398	398	439
85°	121	118	118	112	112	134
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1914.3	1914.3	1914.3	1914.3	1914.3
2.5°	1919.7	1914.3	1911.5	1911.5	1914.3
5°	1914.3	1908.8	1906.0	1906.0	1911.5
7.5°	1906.0	1897.8	1897.8	1895.1	1900.5
10°	1892.3	1884.1	1884.1	1881.3	1886.8
12.5°	1873.1	1864.9	1862.1	1862.1	1867.6
15°	1848.4	1842.9	1842.9	1840.2	1845.7
17.5°	1823.7	1815.5	1815.5	1812.8	1818.3
20°	1790.8	1785.4	1782.6	1782.6	1788.1
22.5°	1757.9	1752.4	1749.7	1749.7	1749.7
25°	1722.3	1714.0	1711.3	1708.6	1711.3
27.5°	1681.1	1670.2	1670.2	1667.4	1670.2
30°	1631.8	1626.3	1623.5	1620.8	1623.5
32.5°	1585.2	1576.9	1574.2	1576.9	1576.9
35°	1533.0	1527.6	1524.8	1524.8	1524.8
37.5°	1480.9	1472.7	1472.7	1470.0	1470.0
40°	1423.3	1417.9	1415.1	1415.1	1415.1
42.5°	1363.0	1357.5	1354.8	1352.0	1352.0
45°	1302.7	1294.4	1294.4	1289.0	1289.0
47.5°	1236.9	1231.4	1228.6	1223.1	1223.1
50°	1171.0	1165.6	1160.1	1160.1	1157.3
52.5°	1097.0	1097.0	1094.2	1088.8	1088.8
55°	1028.4	1025.7	1022.9	1014.7	1014.7
57.5°	957.1	954.4	948.9	940.7	940.7
60°	877.6	877.6	874.9	863.9	866.6
62.5°	803.5	800.8	798.1	789.8	787.1
65°	724.0	724.0	721.3	710.3	710.3
67.5°	647.2	647.2	641.7	630.8	630.8
70°	573.2	565.0	562.2	554.0	551.2
72.5°	490.9	488.2	482.7	474.4	474.4
75°	416.9	411.4	405.9	397.7	397.7
77.5°	337.3	331.8	326.4	323.6	318.1
80°	263.3	260.5	257.8	249.6	246.8
82.5°	189.2	186.5	183.7	181.0	178.3
85°	120.7	117.9	117.9	112.4	112.4
87.5°	52.1	54.8	49.4	52.1	49.4
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)