

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: P568470

Luminaire Tested: **24CGTX-55HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568470
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-L840
Description: 2X4 5500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

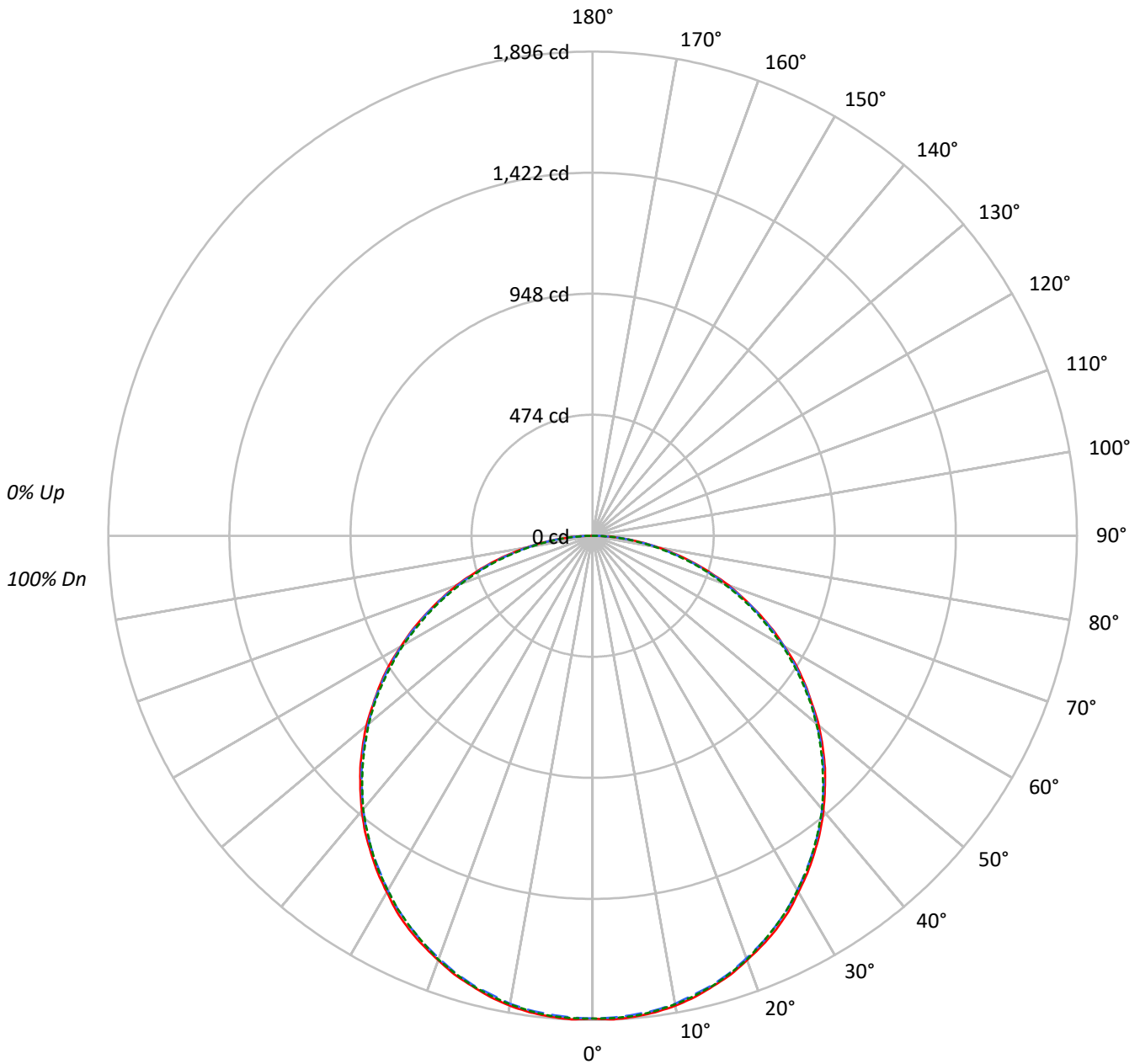
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5555.0 lumens
Efficiency: N/A
Efficacy: 125.4 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									
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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2544	2544	2544
5°	2553	2542	2550
10°	2553	2542	2546
15°	2543	2535	2539
20°	2532	2521	2528
25°	2525	2509	2509
30°	2504	2491	2491
35°	2487	2473	2473
40°	2469	2455	2455
45°	2448	2432	2422
50°	2421	2398	2392
55°	2382	2370	2351
60°	2332	2325	2303
65°	2276	2268	2233
70°	2227	2184	2142
75°	2140	2084	2041
80°	2015	1973	1889
85°	1840	1798	1714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	3.2
10°-20°	513.6	9.2
20°-30°	779.5	14.0
30°-40°	943.1	17.0
40°-50°	985.2	17.7
50°-60°	901.2	16.2
60°-70°	701.5	12.6
70°-80°	422.8	7.6
80°-90°	128.9	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°	1472.2	26.5
0°-40°	2415.4	43.5
0°-60°	4301.8	77.4
0°-90°	5555.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1890	1890	1890	1890	1890	
5°	1890	1885	1882	1882	1888	180
15°	1825	1820	1820	1817	1823	516
25°	1701	1693	1690	1687	1690	783
35°	1514	1509	1506	1506	1506	948
45°	1286	1278	1278	1273	1273	992
55°	1016	1013	1010	1002	1002	907
65°	715	715	712	702	702	709
75°	412	406	401	393	393	433
85°	119	116	116	111	111	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1890.4	1890.4	1890.4	1890.4	1890.4
2.5°	1895.8	1890.4	1887.7	1887.7	1890.4
5°	1890.4	1885.0	1882.3	1882.3	1887.7
7.5°	1882.3	1874.2	1874.2	1871.5	1876.9
10°	1868.8	1860.6	1860.6	1857.9	1863.3
12.5°	1849.8	1841.7	1839.0	1839.0	1844.4
15°	1825.4	1820.0	1820.0	1817.3	1822.7
17.5°	1801.1	1792.9	1792.9	1790.2	1795.6
20°	1768.6	1763.1	1760.4	1760.4	1765.8
22.5°	1736.1	1730.6	1727.9	1727.9	1727.9
25°	1700.8	1692.7	1690.0	1687.3	1690.0
27.5°	1660.2	1649.4	1649.4	1646.7	1649.4
30°	1611.5	1606.1	1603.3	1600.6	1603.3
32.5°	1565.4	1557.3	1554.6	1557.3	1557.3
35°	1514.0	1508.6	1505.8	1505.8	1505.8
37.5°	1462.5	1454.4	1454.4	1451.7	1451.7
40°	1405.6	1400.2	1397.5	1397.5	1397.5
42.5°	1346.0	1340.6	1337.9	1335.2	1335.2
45°	1286.5	1278.3	1278.3	1272.9	1272.9
47.5°	1221.5	1216.0	1213.3	1207.9	1207.9
50°	1156.5	1151.0	1145.6	1145.6	1142.9
52.5°	1083.3	1083.3	1080.6	1075.2	1075.2
55°	1015.6	1012.9	1010.2	1002.1	1002.1
57.5°	945.2	942.5	937.1	929.0	929.0
60°	866.7	866.7	864.0	853.1	855.8
62.5°	793.5	790.8	788.1	780.0	777.3
65°	715.0	715.0	712.3	701.5	701.5
67.5°	639.2	639.2	633.8	622.9	622.9
70°	566.0	557.9	555.2	547.1	544.4
72.5°	484.8	482.1	476.7	468.5	468.5
75°	411.7	406.3	400.8	392.7	392.7
77.5°	333.1	327.7	322.3	319.6	314.2
80°	260.0	257.3	254.6	246.5	243.8
82.5°	186.9	184.2	181.5	178.8	176.0
85°	119.2	116.5	116.5	111.0	111.0
87.5°	51.5	54.2	48.8	51.5	48.8
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)