

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: P568545

Luminaire Tested: **24CGTX-65-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568545
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-65-L935
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

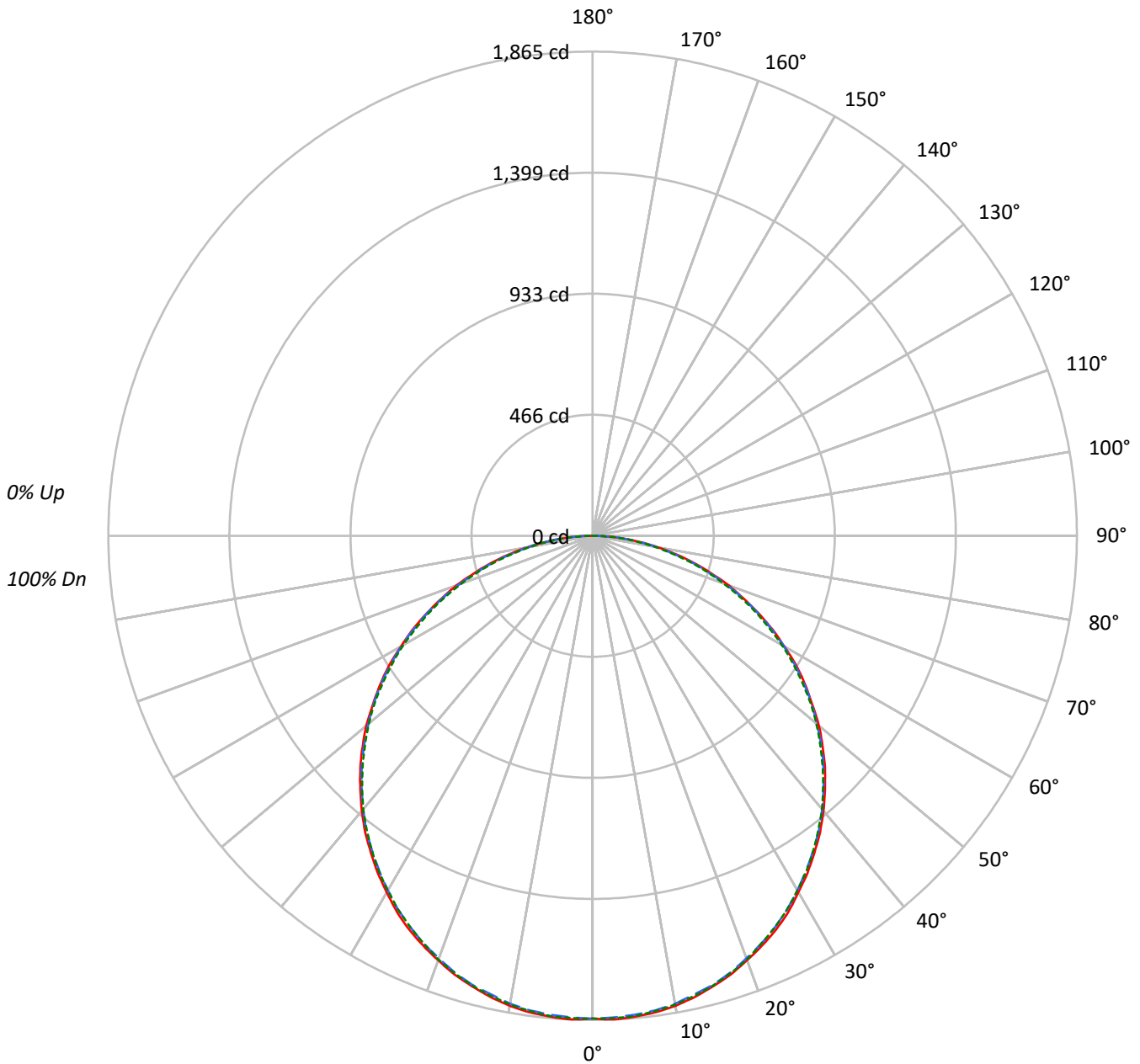
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5465.0 lumens
Efficiency: N/A
Efficacy: 102.3 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): 53.4
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	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2502	2502	2502
5°	2512	2501	2508
10°	2512	2501	2505
15°	2502	2494	2498
20°	2491	2480	2487
25°	2484	2468	2468
30°	2463	2451	2451
35°	2446	2433	2433
40°	2429	2415	2415
45°	2408	2393	2383
50°	2381	2359	2354
55°	2344	2331	2313
60°	2294	2287	2266
65°	2239	2231	2197
70°	2191	2149	2107
75°	2105	2050	2008
80°	1982	1941	1858
85°	1809	1769	1686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	3.2
10°-20°	505.3	9.2
20°-30°	766.8	14.0
30°-40°	927.9	17.0
40°-50°	969.3	17.7
50°-60°	886.6	16.2
60°-70°	690.1	12.6
70°-80°	415.9	7.6
80°-90°	126.8	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°	1448.4	26.5
0°-40°	2376.2	43.5
0°-60°	4232.2	77.4
0°-90°	5465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1860	1860	1860	1860	1860	
5°	1860	1854	1852	1852	1857	177
15°	1796	1790	1790	1788	1793	507
25°	1673	1665	1663	1660	1663	771
35°	1489	1484	1481	1481	1481	932
45°	1266	1258	1258	1252	1252	975
55°	999	996	994	986	986	893
65°	703	703	701	690	690	697
75°	405	400	394	386	386	426
85°	117	115	115	109	109	130
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1859.8	1859.8	1859.8	1859.8	1859.8
2.5°	1865.1	1859.8	1857.1	1857.1	1859.8
5°	1859.8	1854.5	1851.8	1851.8	1857.1
7.5°	1851.8	1843.8	1843.8	1841.1	1846.5
10°	1838.5	1830.5	1830.5	1827.8	1833.2
12.5°	1819.8	1811.8	1809.2	1809.2	1814.5
15°	1795.9	1790.5	1790.5	1787.9	1793.2
17.5°	1771.9	1763.9	1763.9	1761.2	1766.5
20°	1739.9	1734.6	1731.9	1731.9	1737.2
22.5°	1707.9	1702.6	1699.9	1699.9	1699.9
25°	1673.3	1665.3	1662.6	1660.0	1662.6
27.5°	1633.3	1622.7	1622.7	1620.0	1622.7
30°	1585.4	1580.0	1577.4	1574.7	1577.4
32.5°	1540.1	1532.1	1529.4	1532.1	1532.1
35°	1489.4	1484.1	1481.4	1481.4	1481.4
37.5°	1438.8	1430.8	1430.8	1428.2	1428.2
40°	1382.9	1377.5	1374.9	1374.9	1374.9
42.5°	1324.2	1318.9	1316.2	1313.6	1313.6
45°	1265.6	1257.6	1257.6	1252.3	1252.3
47.5°	1201.7	1196.3	1193.7	1188.4	1188.4
50°	1137.7	1132.4	1127.1	1127.1	1124.4
52.5°	1065.8	1065.8	1063.1	1057.8	1057.8
55°	999.2	996.5	993.8	985.9	985.9
57.5°	929.9	927.2	921.9	913.9	913.9
60°	852.6	852.6	850.0	839.3	842.0
62.5°	780.7	778.0	775.4	767.4	764.7
65°	703.4	703.4	700.8	690.1	690.1
67.5°	628.8	628.8	623.5	612.8	612.8
70°	556.9	548.9	546.2	538.2	535.6
72.5°	476.9	474.3	468.9	461.0	461.0
75°	405.0	399.7	394.3	386.3	386.3
77.5°	327.7	322.4	317.1	314.4	309.1
80°	255.8	253.1	250.5	242.5	239.8
82.5°	183.8	181.2	178.5	175.9	173.2
85°	117.2	114.6	114.6	109.2	109.2
87.5°	50.6	53.3	48.0	50.6	48.0
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)