

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: P568565

Luminaire Tested: **24CGTX-65-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568565
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-L940
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND
4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

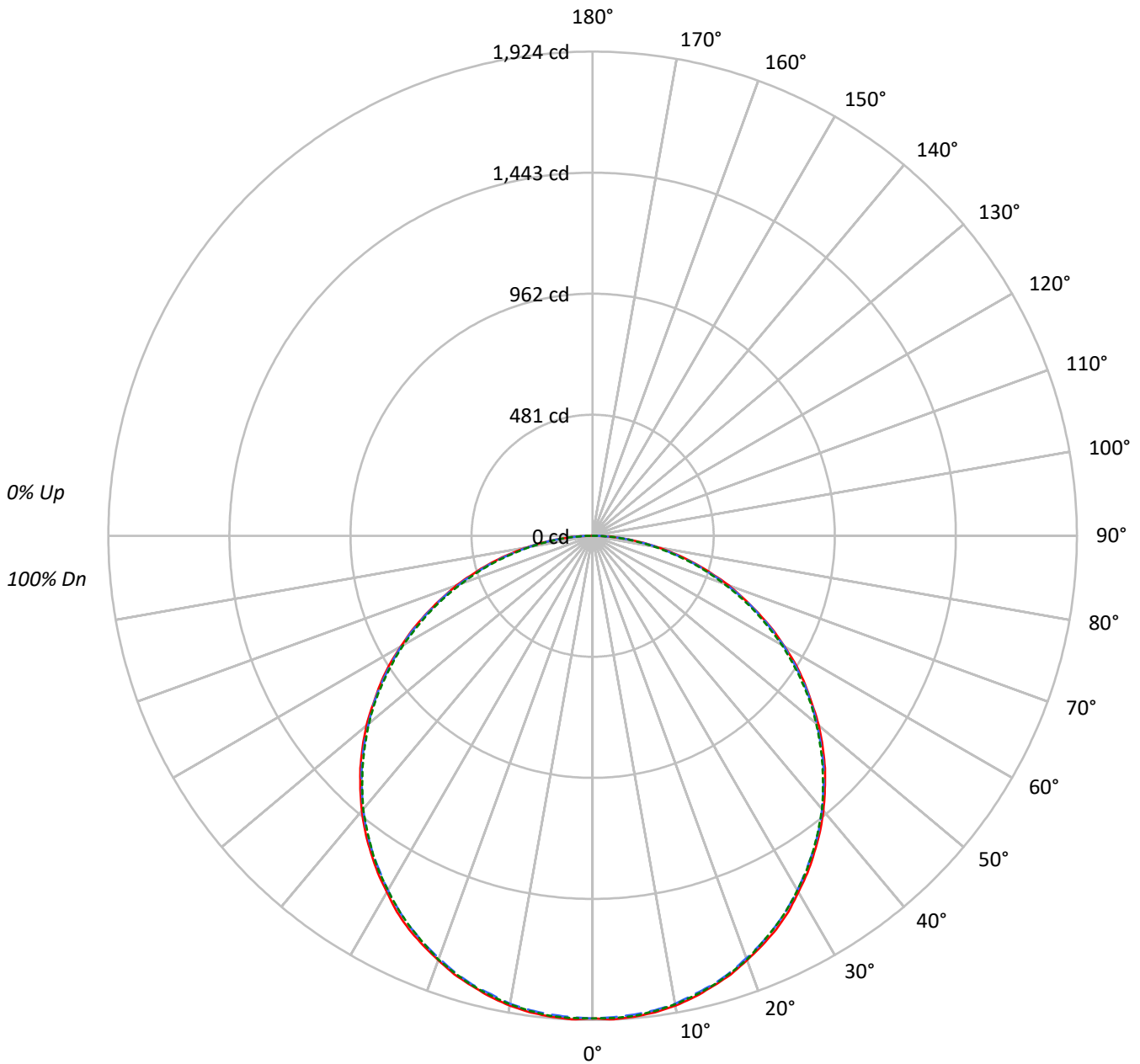
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5636.0 lumens
Efficiency: N/A
Efficacy: 105.5 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					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	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2581	2581	2581
5°	2591	2579	2587
10°	2590	2579	2583
15°	2580	2572	2576
20°	2569	2557	2565
25°	2562	2546	2546
30°	2540	2527	2527
35°	2523	2509	2509
40°	2505	2490	2490
45°	2484	2468	2457
50°	2456	2433	2427
55°	2417	2404	2385
60°	2366	2359	2337
65°	2309	2301	2266
70°	2259	2216	2173
75°	2171	2114	2071
80°	2044	2001	1916
85°	1866	1825	1740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.8	3.2
10°-20°	521.1	9.2
20°-30°	790.8	14.0
30°-40°	956.9	17.0
40°-50°	999.6	17.7
50°-60°	914.4	16.2
60°-70°	711.7	12.6
70°-80°	429.0	7.6
80°-90°	130.8	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°	1493.7	26.5
0°-40°	2450.6	43.5
0°-60°	4364.6	77.4
0°-90°	5636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1918	1918	1918	1918	1918	
5°	1918	1912	1910	1910	1915	182
15°	1852	1846	1846	1844	1849	523
25°	1726	1717	1715	1712	1715	795
35°	1536	1530	1528	1528	1528	962
45°	1305	1297	1297	1292	1292	1006
55°	1030	1028	1025	1017	1017	920
65°	725	725	723	712	712	719
75°	418	412	407	398	398	440
85°	121	118	118	113	113	135
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1918.0	1918.0	1918.0	1918.0	1918.0
2.5°	1923.5	1918.0	1915.2	1915.2	1918.0
5°	1918.0	1912.5	1909.7	1909.7	1915.2
7.5°	1909.7	1901.5	1901.5	1898.8	1904.3
10°	1896.0	1887.8	1887.8	1885.0	1890.5
12.5°	1876.8	1868.5	1865.8	1865.8	1871.3
15°	1852.0	1846.5	1846.5	1843.8	1849.3
17.5°	1827.3	1819.1	1819.1	1816.3	1821.8
20°	1794.3	1788.8	1786.1	1786.1	1791.6
22.5°	1761.4	1755.9	1753.1	1753.1	1753.1
25°	1725.6	1717.4	1714.7	1711.9	1714.7
27.5°	1684.4	1673.4	1673.4	1670.7	1673.4
30°	1635.0	1629.5	1626.7	1624.0	1626.7
32.5°	1588.3	1580.0	1577.3	1580.0	1580.0
35°	1536.0	1530.5	1527.8	1527.8	1527.8
37.5°	1483.8	1475.6	1475.6	1472.8	1472.8
40°	1426.1	1420.6	1417.9	1417.9	1417.9
42.5°	1365.7	1360.2	1357.4	1354.7	1354.7
45°	1305.2	1297.0	1297.0	1291.5	1291.5
47.5°	1239.3	1233.8	1231.0	1225.5	1225.5
50°	1173.3	1167.8	1162.3	1162.3	1159.6
52.5°	1099.1	1099.1	1096.4	1090.9	1090.9
55°	1030.4	1027.7	1024.9	1016.7	1016.7
57.5°	959.0	956.2	950.8	942.5	942.5
60°	879.3	879.3	876.6	865.6	868.3
62.5°	805.1	802.4	799.6	791.4	788.6
65°	725.4	725.4	722.7	711.7	711.7
67.5°	648.5	648.5	643.0	632.0	632.0
70°	574.3	566.1	563.3	555.1	552.3
72.5°	491.9	489.1	483.6	475.4	475.4
75°	417.7	412.2	406.7	398.4	398.4
77.5°	338.0	332.5	327.0	324.2	318.7
80°	263.8	261.0	258.3	250.1	247.3
82.5°	189.6	186.9	184.1	181.4	178.6
85°	120.9	118.2	118.2	112.7	112.7
87.5°	52.2	55.0	49.5	52.2	49.5
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)