

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: P568555

Luminaire Tested: **24CGTX-65-L840**

Issue Date: 9/19/2022

**Test Information**

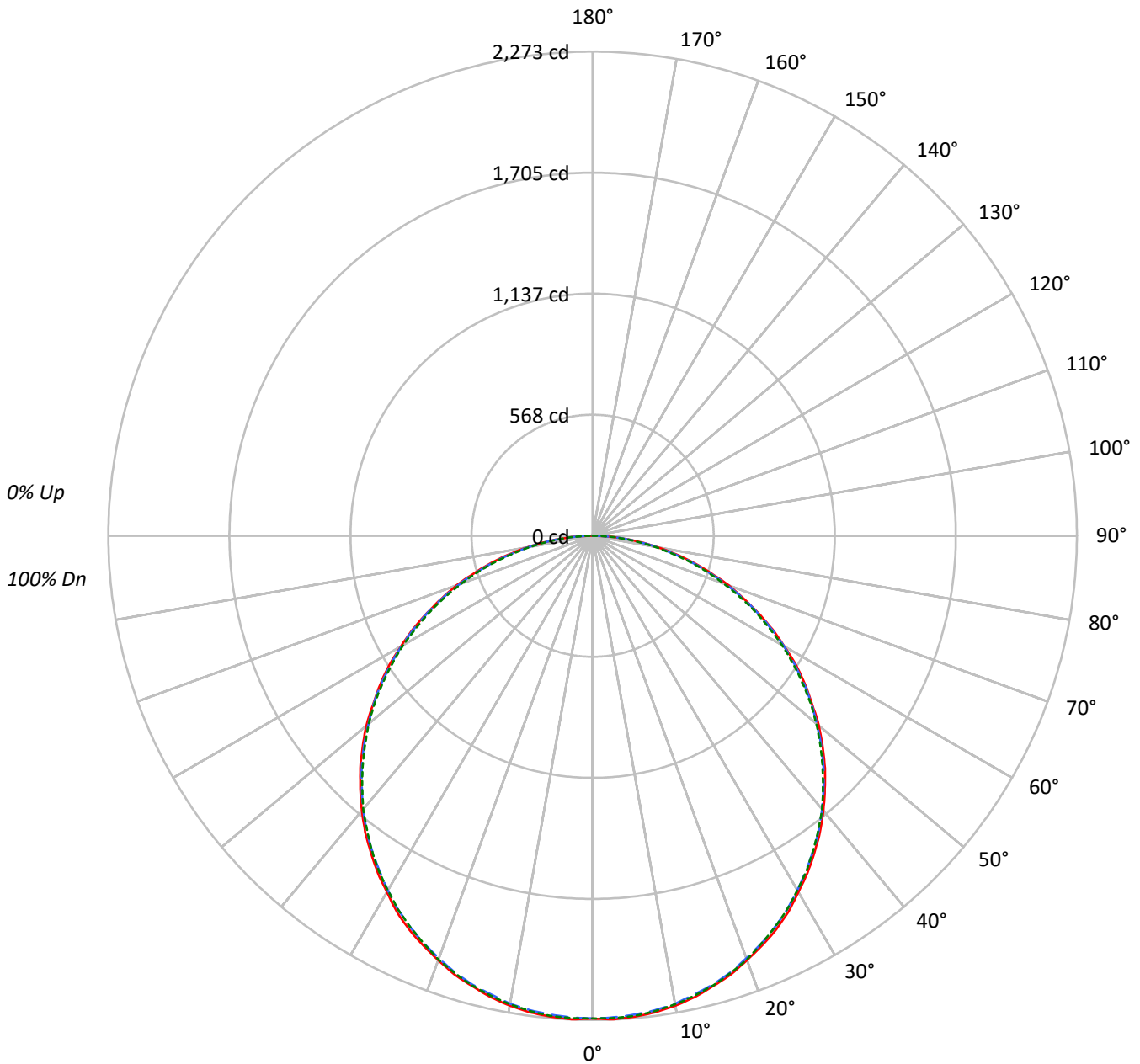
Test Method: LM-79-08  
Report Number: P568555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-65-L840  
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND  
4000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6659.0 lumens  
Efficiency: N/A  
Efficacy: 124.7 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<sub>in</sub>): 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°	3049	3049	3049
5°	3061	3048	3056
10°	3061	3047	3052
15°	3048	3039	3044
20°	3036	3022	3031
25°	3027	3008	3008
30°	3001	2986	2986
35°	2981	2965	2965
40°	2960	2942	2942
45°	2934	2916	2903
50°	2902	2875	2868
55°	2856	2841	2818
60°	2796	2787	2761
65°	2729	2719	2677
70°	2669	2618	2567
75°	2565	2498	2447
80°	2415	2365	2264
85°	2206	2155	2055



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.7	3.2
10°-20°	615.7	9.2
20°-30°	934.4	14.0
30°-40°	1130.6	17.0
40°-50°	1181.1	17.7
50°-60°	1080.4	16.2
60°-70°	840.9	12.6
70°-80°	506.8	7.6
80°-90°	154.5	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°	1764.8	26.5
0°-40°	2895.4	43.5
0°-60°	5156.8	77.4
0°-90°	6659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6659.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2266	2266	2266	2266	2266	
5°	2266	2260	2256	2256	2263	216
15°	2188	2182	2182	2178	2185	618
25°	2039	2029	2026	2023	2026	939
35°	1815	1808	1805	1805	1805	1136
45°	1542	1532	1532	1526	1526	1189
55°	1218	1214	1211	1201	1201	1088
65°	857	857	854	841	841	850
75°	494	487	480	471	471	519
85°	143	140	140	133	133	159
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2266.1	2266.1	2266.1	2266.1	2266.1
2.5°	2272.6	2266.1	2262.9	2262.9	2266.1
5°	2266.1	2259.6	2256.4	2256.4	2262.9
7.5°	2256.4	2246.7	2246.7	2243.4	2249.9
10°	2240.2	2230.4	2230.4	2227.2	2233.7
12.5°	2217.4	2207.7	2204.4	2204.4	2210.9
15°	2188.2	2181.7	2181.7	2178.5	2185.0
17.5°	2159.0	2149.3	2149.3	2146.0	2152.5
20°	2120.0	2113.5	2110.3	2110.3	2116.8
22.5°	2081.1	2074.6	2071.3	2071.3	2071.3
25°	2038.9	2029.1	2025.9	2022.6	2025.9
27.5°	1990.2	1977.2	1977.2	1973.9	1977.2
30°	1931.7	1925.2	1922.0	1918.7	1922.0
32.5°	1876.5	1866.8	1863.6	1866.8	1866.8
35°	1814.9	1808.4	1805.1	1805.1	1805.1
37.5°	1753.2	1743.4	1743.4	1740.2	1740.2
40°	1685.0	1678.5	1675.2	1675.2	1675.2
42.5°	1613.6	1607.1	1603.8	1600.6	1600.6
45°	1542.1	1532.4	1532.4	1525.9	1525.9
47.5°	1464.2	1457.7	1454.5	1448.0	1448.0
50°	1386.3	1379.8	1373.3	1373.3	1370.1
52.5°	1298.6	1298.6	1295.4	1288.9	1288.9
55°	1217.5	1214.2	1211.0	1201.2	1201.2
57.5°	1133.1	1129.8	1123.3	1113.6	1113.6
60°	1038.9	1038.9	1035.7	1022.7	1025.9
62.5°	951.3	948.0	944.8	935.0	931.8
65°	857.1	857.1	853.9	840.9	840.9
67.5°	766.2	766.2	759.7	746.7	746.7
70°	678.5	668.8	665.6	655.8	652.6
72.5°	581.1	577.9	571.4	561.7	561.7
75°	493.5	487.0	480.5	470.8	470.8
77.5°	399.3	392.8	386.3	383.1	376.6
80°	311.7	308.4	305.2	295.4	292.2
82.5°	224.0	220.8	217.5	214.3	211.0
85°	142.9	139.6	139.6	133.1	133.1
87.5°	61.7	64.9	58.4	61.7	58.4
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)