

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: P568471

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

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568471
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-65HE-L840
Description: 2X4 6500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

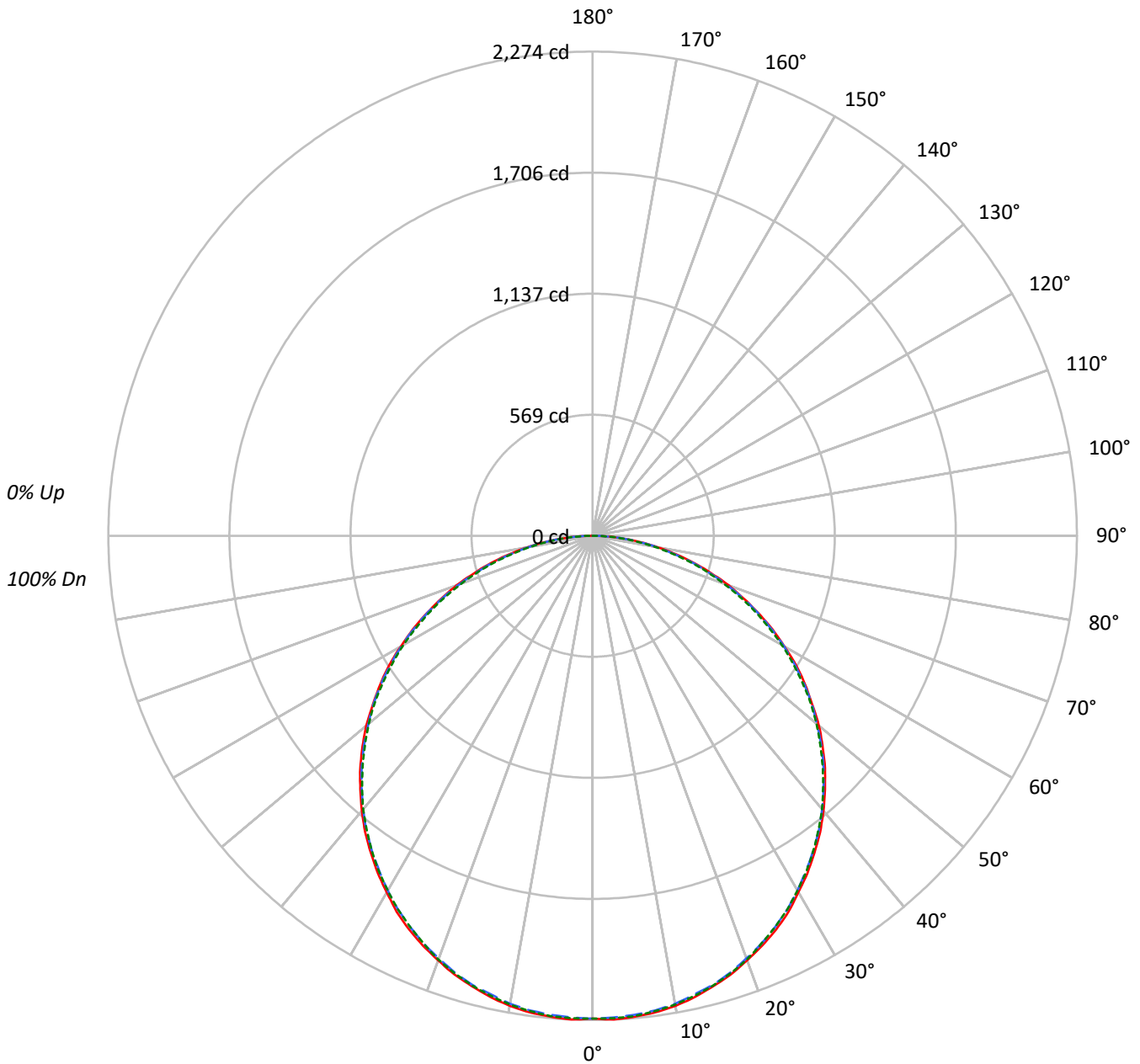
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6664.0 lumens
Efficiency: N/A
Efficacy: 127.4 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): 52.3
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					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	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3051	3051	3051
5°	3063	3050	3059
10°	3063	3050	3054
15°	3050	3041	3046
20°	3038	3024	3033
25°	3029	3010	3010
30°	3003	2988	2988
35°	2983	2967	2967
40°	2962	2945	2945
45°	2937	2918	2906
50°	2904	2877	2870
55°	2858	2843	2820
60°	2798	2789	2763
65°	2731	2720	2679
70°	2672	2620	2569
75°	2568	2500	2449
80°	2417	2366	2266
85°	2208	2157	2056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.9	3.2
10°-20°	616.2	9.2
20°-30°	935.1	14.0
30°-40°	1131.4	17.0
40°-50°	1182.0	17.7
50°-60°	1081.2	16.2
60°-70°	841.5	12.6
70°-80°	507.2	7.6
80°-90°	154.6	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°	1766.2	26.5
0°-40°	2897.6	43.5
0°-60°	5160.7	77.4
0°-90°	6664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2268	2268	2268	2268	2268	
5°	2268	2261	2258	2258	2265	216
15°	2190	2183	2183	2180	2187	618
25°	2040	2031	2027	2024	2027	940
35°	1816	1810	1806	1806	1806	1137
45°	1543	1534	1534	1527	1527	1190
55°	1218	1215	1212	1202	1202	1088
65°	858	858	854	842	842	850
75°	494	487	481	471	471	520
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°	2267.8	2267.8	2267.8	2267.8	2267.8
2.5°	2274.3	2267.8	2264.6	2264.6	2267.8
5°	2267.8	2261.3	2258.1	2258.1	2264.6
7.5°	2258.1	2248.3	2248.3	2245.1	2251.6
10°	2241.8	2232.1	2232.1	2228.8	2235.3
12.5°	2219.1	2209.4	2206.1	2206.1	2212.6
15°	2189.9	2183.4	2183.4	2180.1	2186.6
17.5°	2160.6	2150.9	2150.9	2147.6	2154.1
20°	2121.6	2115.1	2111.9	2111.9	2118.4
22.5°	2082.6	2076.1	2072.9	2072.9	2072.9
25°	2040.4	2030.7	2027.4	2024.2	2027.4
27.5°	1991.7	1978.7	1978.7	1975.4	1978.7
30°	1933.2	1926.7	1923.4	1920.2	1923.4
32.5°	1877.9	1868.2	1865.0	1868.2	1868.2
35°	1816.2	1809.7	1806.5	1806.5	1806.5
37.5°	1754.5	1744.7	1744.7	1741.5	1741.5
40°	1686.3	1679.8	1676.5	1676.5	1676.5
42.5°	1614.8	1608.3	1605.0	1601.8	1601.8
45°	1543.3	1533.5	1533.5	1527.1	1527.1
47.5°	1465.3	1458.8	1455.6	1449.1	1449.1
50°	1387.3	1380.8	1374.3	1374.3	1371.1
52.5°	1299.6	1299.6	1296.4	1289.9	1289.9
55°	1218.4	1215.1	1211.9	1202.1	1202.1
57.5°	1133.9	1130.7	1124.2	1114.4	1114.4
60°	1039.7	1039.7	1036.4	1023.4	1026.7
62.5°	952.0	948.7	945.5	935.7	932.5
65°	857.7	857.7	854.5	841.5	841.5
67.5°	766.8	766.8	760.3	747.3	747.3
70°	679.1	669.3	666.1	656.3	653.1
72.5°	581.6	578.3	571.8	562.1	562.1
75°	493.9	487.4	480.9	471.1	471.1
77.5°	399.6	393.1	386.6	383.4	376.9
80°	311.9	308.7	305.4	295.7	292.4
82.5°	224.2	220.9	217.7	214.4	211.2
85°	143.0	139.7	139.7	133.2	133.2
87.5°	61.7	65.0	58.5	61.7	58.5
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)