

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: P568493

Luminaire Tested: **24CGTX-65HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568493
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-L850
Description: 2X4 6500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

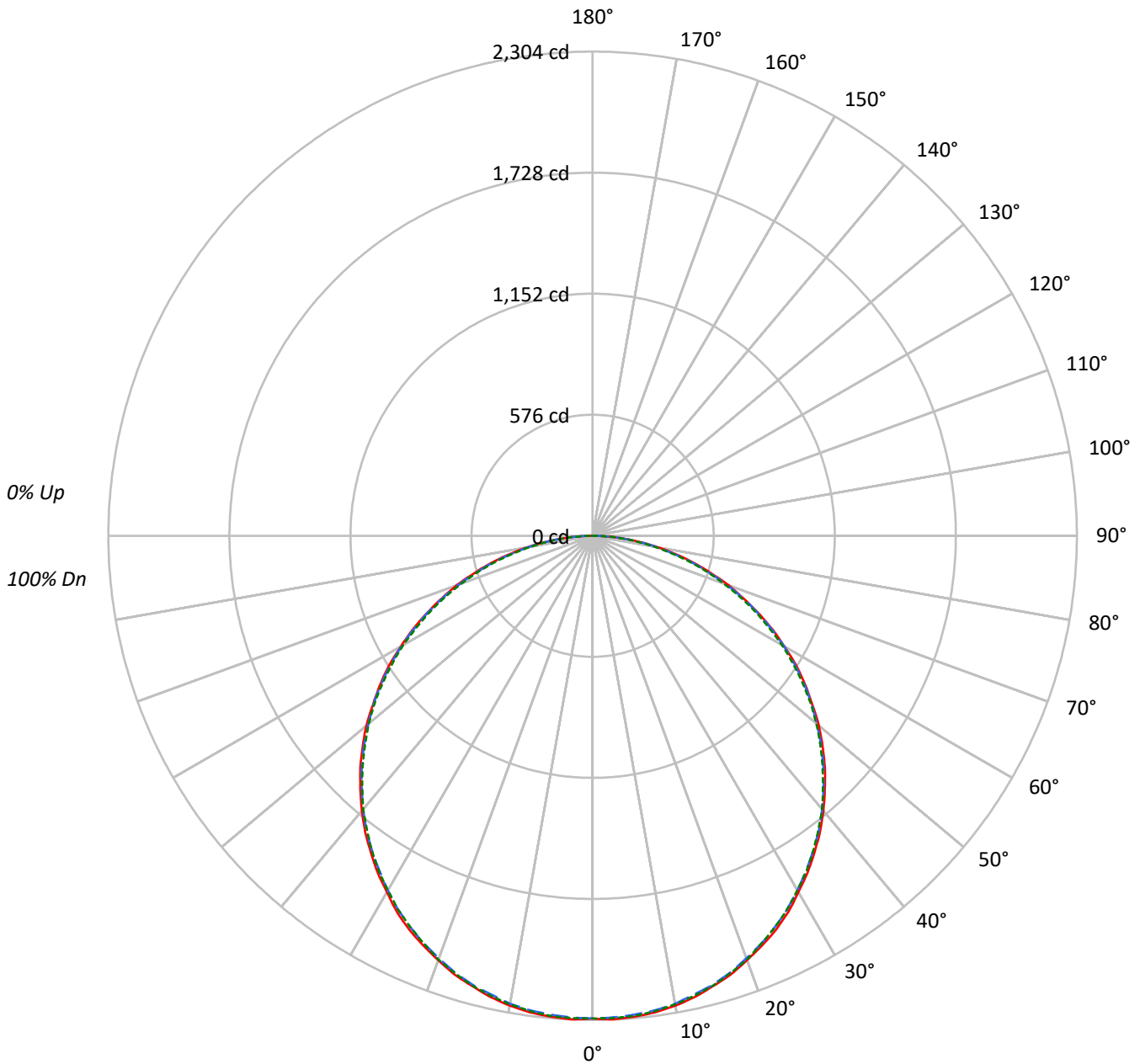
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6750.0 lumens
Efficiency: N/A
Efficacy: 129.1 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									
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°	3091	3091	3091
5°	3103	3089	3098
10°	3102	3089	3093
15°	3090	3081	3085
20°	3077	3063	3072
25°	3068	3049	3049
30°	3042	3027	3027
35°	3022	3006	3006
40°	3000	2983	2983
45°	2974	2956	2943
50°	2941	2914	2907
55°	2895	2879	2856
60°	2834	2825	2798
65°	2766	2755	2714
70°	2706	2654	2602
75°	2600	2532	2481
80°	2448	2397	2295
85°	2235	2184	2083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.7	3.2
10°-20°	624.1	9.2
20°-30°	947.2	14.0
30°-40°	1146.0	17.0
40°-50°	1197.2	17.7
50°-60°	1095.1	16.2
60°-70°	852.4	12.6
70°-80°	513.7	7.6
80°-90°	156.6	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°	1788.9	26.5
0°-40°	2935.0	43.5
0°-60°	5227.3	77.4
0°-90°	6750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2297	2297	2297	2297	2297	
5°	2297	2290	2287	2287	2294	218
15°	2218	2212	2212	2208	2215	626
25°	2067	2057	2054	2050	2054	952
35°	1840	1833	1830	1830	1830	1152
45°	1563	1553	1553	1547	1547	1205
55°	1234	1231	1228	1218	1218	1102
65°	869	869	866	852	852	861
75°	500	494	487	477	477	526
85°	145	142	142	135	135	161
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2297.1	2297.1	2297.1	2297.1	2297.1
2.5°	2303.7	2297.1	2293.8	2293.8	2297.1
5°	2297.1	2290.5	2287.2	2287.2	2293.8
7.5°	2287.2	2277.4	2277.4	2274.1	2280.6
10°	2270.8	2260.9	2260.9	2257.6	2264.2
12.5°	2247.7	2237.9	2234.6	2234.6	2241.2
15°	2218.1	2211.5	2211.5	2208.2	2214.8
17.5°	2188.5	2178.6	2178.6	2175.3	2181.9
20°	2149.0	2142.4	2139.1	2139.1	2145.7
22.5°	2109.5	2102.9	2099.6	2099.6	2099.6
25°	2066.7	2056.9	2053.6	2050.3	2053.6
27.5°	2017.4	2004.2	2004.2	2000.9	2004.2
30°	1958.1	1951.5	1948.3	1945.0	1948.3
32.5°	1902.2	1892.3	1889.0	1892.3	1892.3
35°	1839.7	1833.1	1829.8	1829.8	1829.8
37.5°	1777.1	1767.3	1767.3	1764.0	1764.0
40°	1708.0	1701.4	1698.1	1698.1	1698.1
42.5°	1635.6	1629.0	1625.7	1622.5	1622.5
45°	1563.2	1553.3	1553.3	1546.8	1546.8
47.5°	1484.2	1477.6	1474.4	1467.8	1467.8
50°	1405.2	1398.7	1392.1	1392.1	1388.8
52.5°	1316.4	1316.4	1313.1	1306.5	1306.5
55°	1234.1	1230.8	1227.5	1217.7	1217.7
57.5°	1148.6	1145.3	1138.7	1128.8	1128.8
60°	1053.1	1053.1	1049.8	1036.7	1039.9
62.5°	964.3	961.0	957.7	947.8	944.5
65°	868.8	868.8	865.5	852.4	852.4
67.5°	776.7	776.7	770.1	756.9	756.9
70°	687.8	677.9	674.6	664.8	661.5
72.5°	589.1	585.8	579.2	569.3	569.3
75°	500.2	493.6	487.1	477.2	477.2
77.5°	404.8	398.2	391.6	388.3	381.8
80°	315.9	312.6	309.4	299.5	296.2
82.5°	227.1	223.8	220.5	217.2	213.9
85°	144.8	141.5	141.5	134.9	134.9
87.5°	62.5	65.8	59.2	62.5	59.2
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)