

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: P568575

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568575
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-L850
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

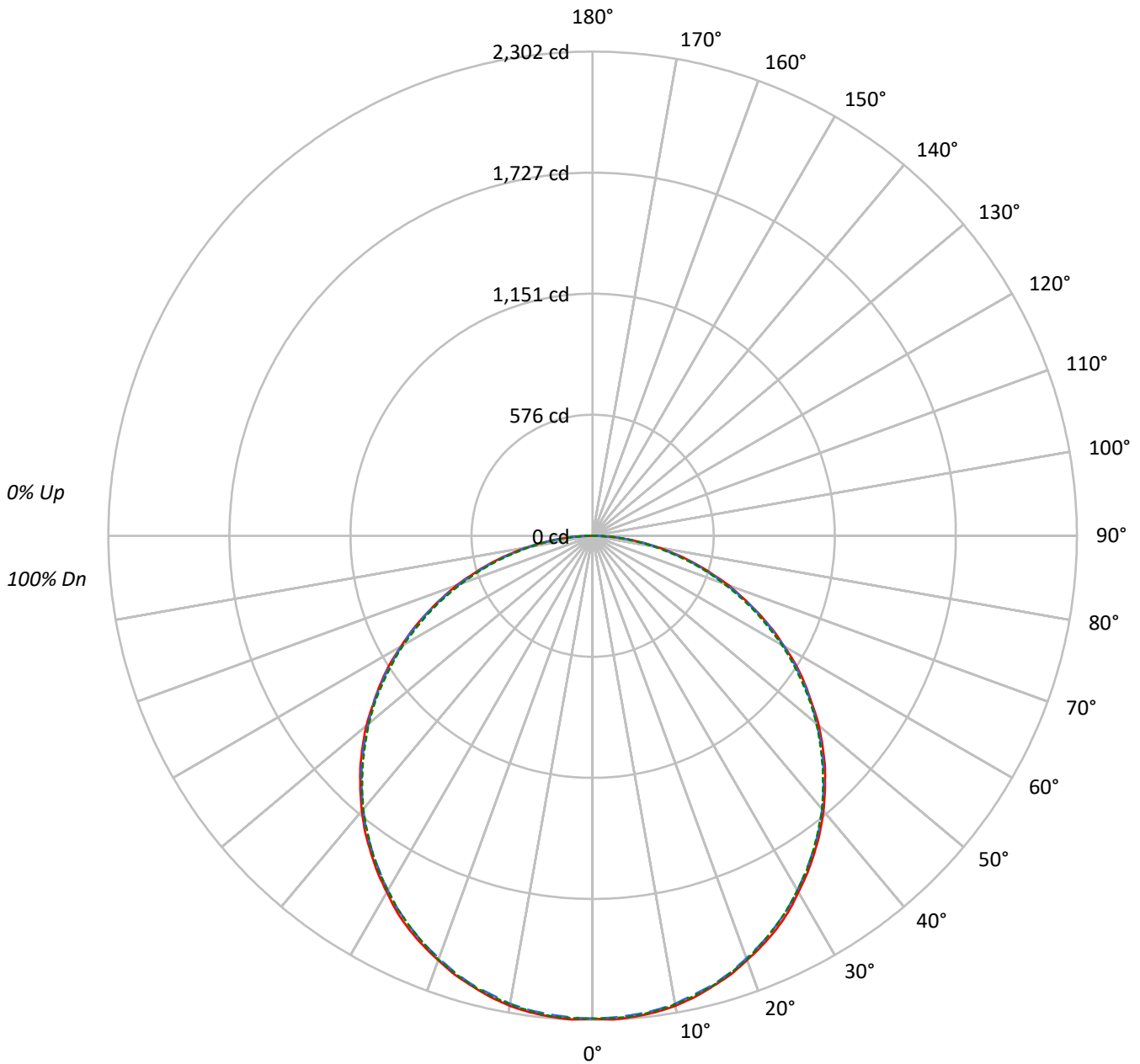
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6745.0 lumens
Efficiency: N/A
Efficacy: 126.3 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					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°	3088	3088	3088
5°	3100	3087	3096
10°	3100	3087	3091
15°	3087	3078	3083
20°	3075	3061	3070
25°	3066	3046	3046
30°	3040	3025	3025
35°	3019	3003	3003
40°	2998	2980	2980
45°	2972	2954	2941
50°	2939	2912	2905
55°	2893	2877	2854
60°	2832	2823	2796
65°	2764	2754	2712
70°	2704	2652	2600
75°	2599	2530	2479
80°	2446	2395	2294
85°	2234	2183	2081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	3.2
10°-20°	623.7	9.2
20°-30°	946.4	14.0
30°-40°	1145.2	17.0
40°-50°	1196.3	17.7
50°-60°	1094.3	16.2
60°-70°	851.8	12.6
70°-80°	513.4	7.6
80°-90°	156.5	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°	1787.6	26.5
0°-40°	2932.8	43.5
0°-60°	5223.4	77.4
0°-90°	6745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2295	2295	2295	2295	2295	
5°	2295	2289	2286	2286	2292	218
15°	2216	2210	2210	2207	2213	626
25°	2065	2055	2052	2049	2052	951
35°	1838	1832	1828	1828	1828	1151
45°	1562	1552	1552	1546	1546	1204
55°	1233	1230	1227	1217	1217	1102
65°	868	868	865	852	852	861
75°	500	493	487	477	477	526
85°	145	141	141	135	135	161
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2295.4	2295.4	2295.4	2295.4	2295.4
2.5°	2302.0	2295.4	2292.1	2292.1	2295.4
5°	2295.4	2288.8	2285.5	2285.5	2292.1
7.5°	2285.5	2275.7	2275.7	2272.4	2279.0
10°	2269.1	2259.2	2259.2	2255.9	2262.5
12.5°	2246.1	2236.2	2232.9	2232.9	2239.5
15°	2216.5	2209.9	2209.9	2206.6	2213.2
17.5°	2186.9	2177.0	2177.0	2173.7	2180.3
20°	2147.4	2140.8	2137.5	2137.5	2144.1
22.5°	2108.0	2101.4	2098.1	2098.1	2098.1
25°	2065.2	2055.3	2052.0	2048.8	2052.0
27.5°	2015.9	2002.7	2002.7	1999.4	2002.7
30°	1956.7	1950.1	1946.8	1943.5	1946.8
32.5°	1900.8	1890.9	1887.6	1890.9	1890.9
35°	1838.3	1831.7	1828.4	1828.4	1828.4
37.5°	1775.8	1765.9	1765.9	1762.7	1762.7
40°	1706.8	1700.2	1696.9	1696.9	1696.9
42.5°	1634.4	1627.8	1624.5	1621.2	1621.2
45°	1562.1	1552.2	1552.2	1545.6	1545.6
47.5°	1483.1	1476.6	1473.3	1466.7	1466.7
50°	1404.2	1397.6	1391.1	1391.1	1387.8
52.5°	1315.4	1315.4	1312.1	1305.5	1305.5
55°	1233.2	1229.9	1226.6	1216.8	1216.8
57.5°	1147.7	1144.4	1137.8	1128.0	1128.0
60°	1052.3	1052.3	1049.0	1035.9	1039.2
62.5°	963.5	960.3	957.0	947.1	943.8
65°	868.2	868.2	864.9	851.7	851.7
67.5°	776.1	776.1	769.5	756.4	756.4
70°	687.3	677.4	674.1	664.3	661.0
72.5°	588.6	585.4	578.8	568.9	568.9
75°	499.9	493.3	486.7	476.8	476.8
77.5°	404.5	397.9	391.3	388.0	381.5
80°	315.7	312.4	309.1	299.3	296.0
82.5°	226.9	223.6	220.3	217.0	213.8
85°	144.7	141.4	141.4	134.8	134.8
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)