

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: P568515

Luminaire Tested: **24CGTX-65-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568515
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-L830
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

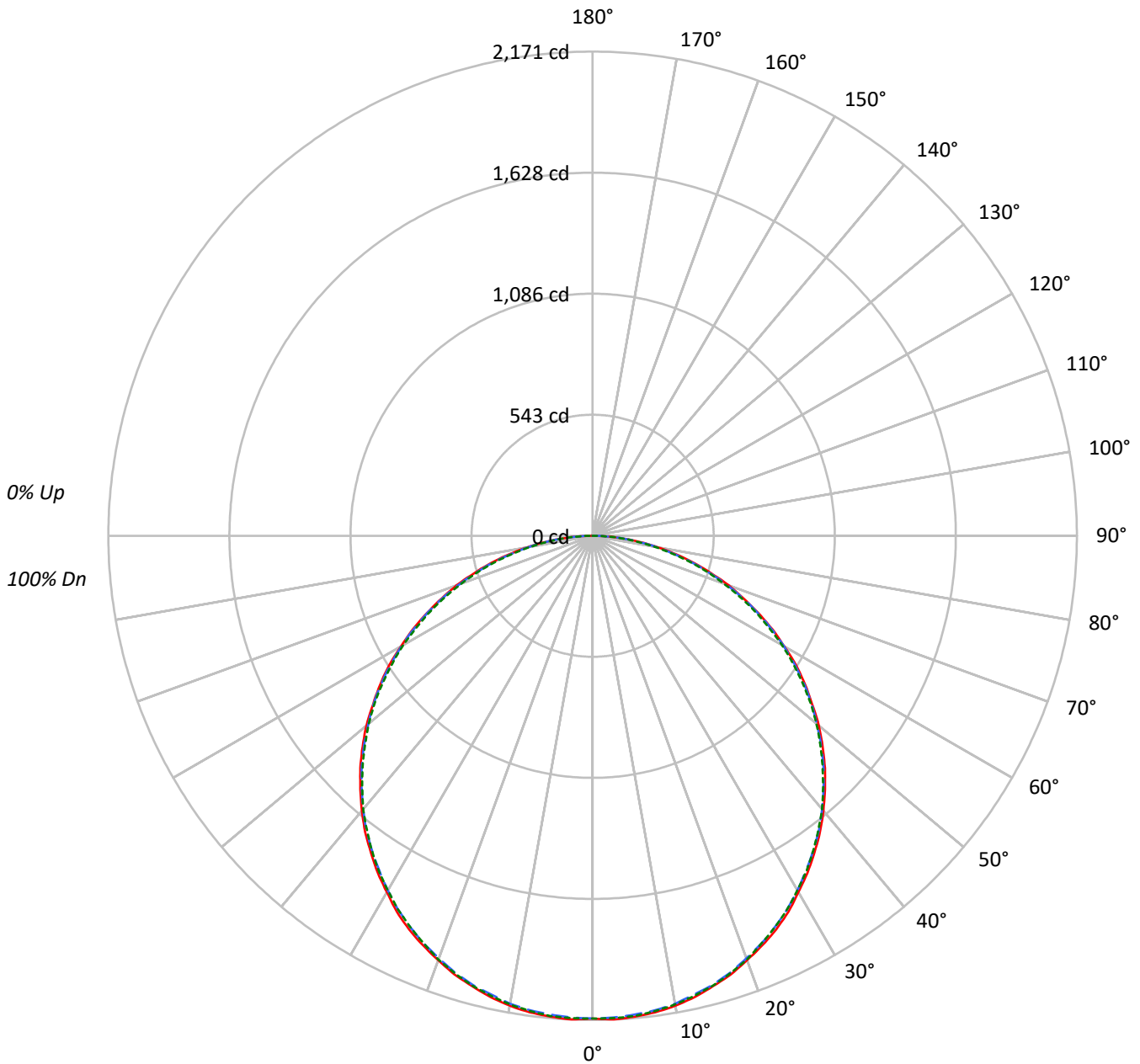
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6361.0 lumens
Efficiency: N/A
Efficacy: 119.1 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): 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									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°	2913	2913	2913
5°	2924	2911	2920
10°	2924	2911	2915
15°	2912	2903	2907
20°	2900	2886	2895
25°	2891	2873	2873
30°	2867	2852	2852
35°	2848	2832	2832
40°	2827	2811	2811
45°	2803	2785	2774
50°	2772	2746	2740
55°	2728	2714	2692
60°	2671	2662	2637
65°	2606	2597	2557
70°	2550	2501	2452
75°	2451	2386	2338
80°	2307	2259	2163
85°	2107	2059	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	3.2
10°-20°	588.2	9.2
20°-30°	892.6	14.0
30°-40°	1080.0	17.0
40°-50°	1128.2	17.7
50°-60°	1032.0	16.2
60°-70°	803.3	12.6
70°-80°	484.1	7.6
80°-90°	147.6	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°	1685.9	26.5
0°-40°	2765.8	43.5
0°-60°	4926.1	77.4
0°-90°	6361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2165	2165	2165	2165	2165	
5°	2165	2158	2155	2155	2162	206
15°	2090	2084	2084	2081	2087	590
25°	1948	1938	1935	1932	1935	897
35°	1734	1727	1724	1724	1724	1085
45°	1473	1464	1464	1458	1458	1135
55°	1163	1160	1157	1148	1148	1039
65°	819	819	816	803	803	812
75°	471	465	459	450	450	496
85°	136	133	133	127	127	152
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2170.9	2164.7	2161.6	2161.6	2164.7
5°	2164.7	2158.5	2155.4	2155.4	2161.6
7.5°	2155.4	2146.1	2146.1	2143.0	2149.2
10°	2139.9	2130.6	2130.6	2127.5	2133.7
12.5°	2118.2	2108.9	2105.8	2105.8	2112.0
15°	2090.3	2084.1	2084.1	2081.0	2087.2
17.5°	2062.4	2053.1	2053.1	2050.0	2056.2
20°	2025.2	2019.0	2015.9	2015.9	2022.1
22.5°	1987.9	1981.7	1978.6	1978.6	1978.6
25°	1947.6	1938.3	1935.2	1932.1	1935.2
27.5°	1901.1	1888.7	1888.7	1885.6	1888.7
30°	1845.3	1839.1	1836.0	1832.9	1836.0
32.5°	1792.6	1783.3	1780.2	1783.3	1783.3
35°	1733.6	1727.4	1724.3	1724.3	1724.3
37.5°	1674.7	1665.4	1665.4	1662.3	1662.3
40°	1609.6	1603.4	1600.3	1600.3	1600.3
42.5°	1541.4	1535.2	1532.1	1528.9	1528.9
45°	1473.1	1463.8	1463.8	1457.6	1457.6
47.5°	1398.7	1392.5	1389.4	1383.2	1383.2
50°	1324.3	1318.1	1311.9	1311.9	1308.8
52.5°	1240.5	1240.5	1237.4	1231.2	1231.2
55°	1163.0	1159.9	1156.8	1147.5	1147.5
57.5°	1082.4	1079.3	1073.1	1063.8	1063.8
60°	992.4	992.4	989.3	976.9	980.0
62.5°	908.7	905.6	902.5	893.2	890.1
65°	818.7	818.7	815.6	803.2	803.2
67.5°	731.9	731.9	725.7	713.3	713.3
70°	648.2	638.9	635.8	626.5	623.4
72.5°	555.1	552.0	545.8	536.5	536.5
75°	471.4	465.2	459.0	449.7	449.7
77.5°	381.5	375.3	369.1	366.0	359.8
80°	297.7	294.6	291.5	282.2	279.1
82.5°	214.0	210.9	207.8	204.7	201.6
85°	136.5	133.4	133.4	127.2	127.2
87.5°	58.9	62.0	55.8	58.9	55.8
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)