

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: P568547

Luminaire Tested: **24CGTX-80-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568547
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-80-L935
Description: 2X4 8000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

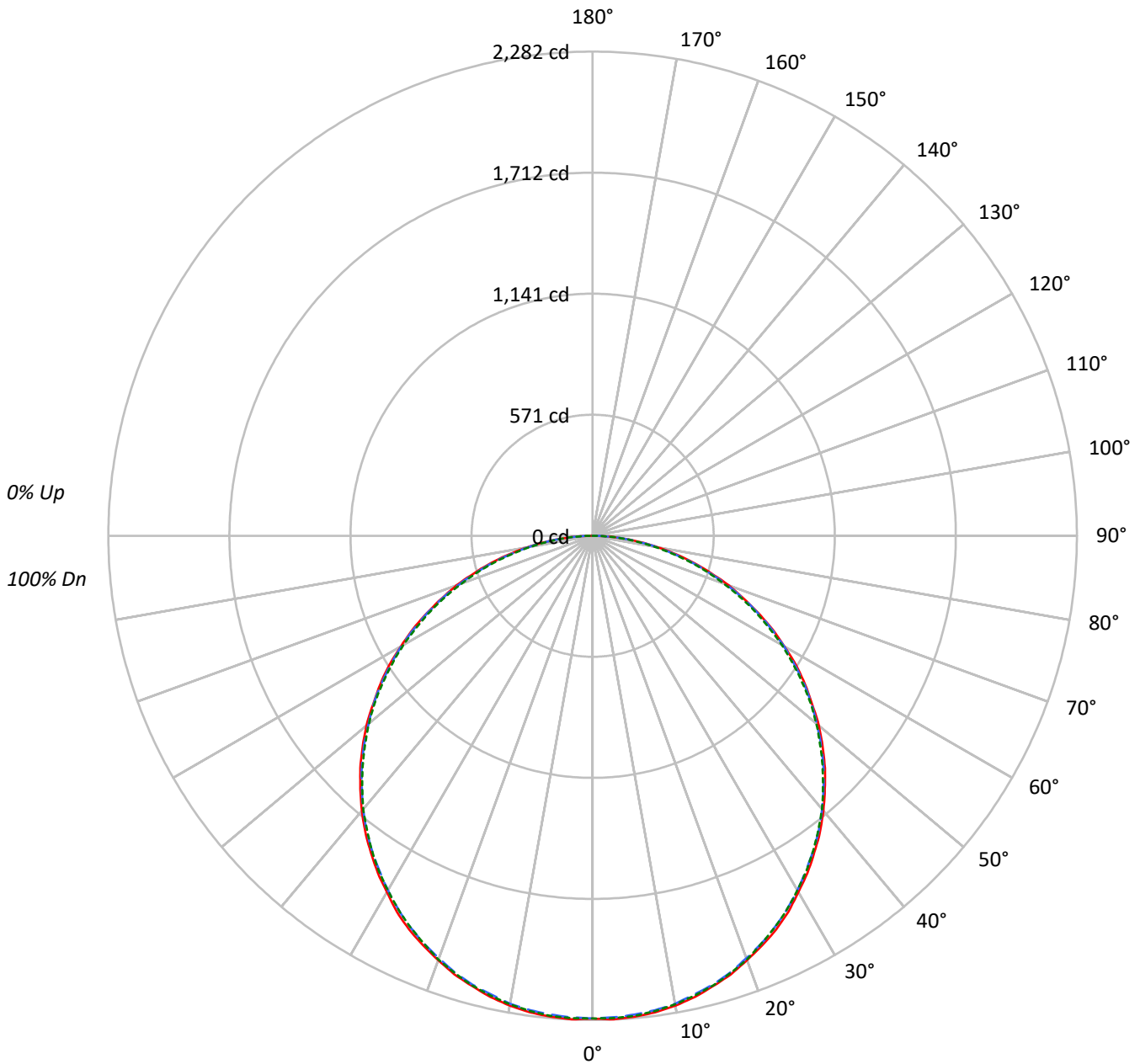
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6685.0 lumens
Efficiency: N/A
Efficacy: 98.9 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): 67.6
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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3061	3061	3061
5°	3073	3059	3068
10°	3073	3059	3064
15°	3060	3051	3055
20°	3047	3033	3043
25°	3039	3019	3019
30°	3013	2998	2998
35°	2993	2977	2977
40°	2971	2954	2954
45°	2946	2927	2915
50°	2913	2886	2879
55°	2867	2852	2829
60°	2807	2798	2771
65°	2740	2729	2688
70°	2680	2629	2577
75°	2575	2508	2457
80°	2424	2374	2273
85°	2214	2163	2062



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.6	3.2
10°-20°	618.1	9.2
20°-30°	938.0	14.0
30°-40°	1135.0	17.0
40°-50°	1185.7	17.7
50°-60°	1084.6	16.2
60°-70°	844.2	12.6
70°-80°	508.8	7.6
80°-90°	155.1	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°	1771.7	26.5
0°-40°	2906.7	43.5
0°-60°	5177.0	77.4
0°-90°	6685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2275	2275	2275	2275	2275	
5°	2275	2268	2265	2265	2272	216
15°	2197	2190	2190	2187	2194	620
25°	2047	2037	2034	2030	2034	943
35°	1822	1815	1812	1812	1812	1140
45°	1548	1538	1538	1532	1532	1193
55°	1222	1219	1216	1206	1206	1092
65°	860	860	857	844	844	853
75°	495	489	482	473	473	521
85°	143	140	140	134	134	160
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2275.0	2275.0	2275.0	2275.0	2275.0
2.5°	2281.5	2275.0	2271.7	2271.7	2275.0
5°	2275.0	2268.5	2265.2	2265.2	2271.7
7.5°	2265.2	2255.4	2255.4	2252.2	2258.7
10°	2248.9	2239.1	2239.1	2235.9	2242.4
12.5°	2226.1	2216.3	2213.1	2213.1	2219.6
15°	2196.8	2190.2	2190.2	2187.0	2193.5
17.5°	2167.4	2157.6	2157.6	2154.4	2160.9
20°	2128.3	2121.8	2118.5	2118.5	2125.1
22.5°	2089.2	2082.7	2079.4	2079.4	2079.4
25°	2046.8	2037.1	2033.8	2030.5	2033.8
27.5°	1997.9	1984.9	1984.9	1981.6	1984.9
30°	1939.3	1932.8	1929.5	1926.2	1929.5
32.5°	1883.9	1874.1	1870.8	1874.1	1874.1
35°	1821.9	1815.4	1812.2	1812.2	1812.2
37.5°	1760.0	1750.2	1750.2	1747.0	1747.0
40°	1691.6	1685.0	1681.8	1681.8	1681.8
42.5°	1619.9	1613.3	1610.1	1606.8	1606.8
45°	1548.2	1538.4	1538.4	1531.9	1531.9
47.5°	1469.9	1463.4	1460.2	1453.6	1453.6
50°	1391.7	1385.2	1378.7	1378.7	1375.4
52.5°	1303.7	1303.7	1300.5	1293.9	1293.9
55°	1222.2	1219.0	1215.7	1205.9	1205.9
57.5°	1137.5	1134.2	1127.7	1117.9	1117.9
60°	1043.0	1043.0	1039.7	1026.7	1029.9
62.5°	955.0	951.7	948.5	938.7	935.4
65°	860.5	860.5	857.2	844.2	844.2
67.5°	769.2	769.2	762.7	749.6	749.6
70°	681.2	671.4	668.2	658.4	655.1
72.5°	583.4	580.2	573.6	563.9	563.9
75°	495.4	488.9	482.4	472.6	472.6
77.5°	400.9	394.4	387.9	384.6	378.1
80°	312.9	309.6	306.4	296.6	293.3
82.5°	224.9	221.6	218.4	215.1	211.9
85°	143.4	140.1	140.1	133.6	133.6
87.5°	61.9	65.2	58.7	61.9	58.7
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)