

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: P568536

Luminaire Tested: **24CGTX-72-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568536
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-72-L835
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

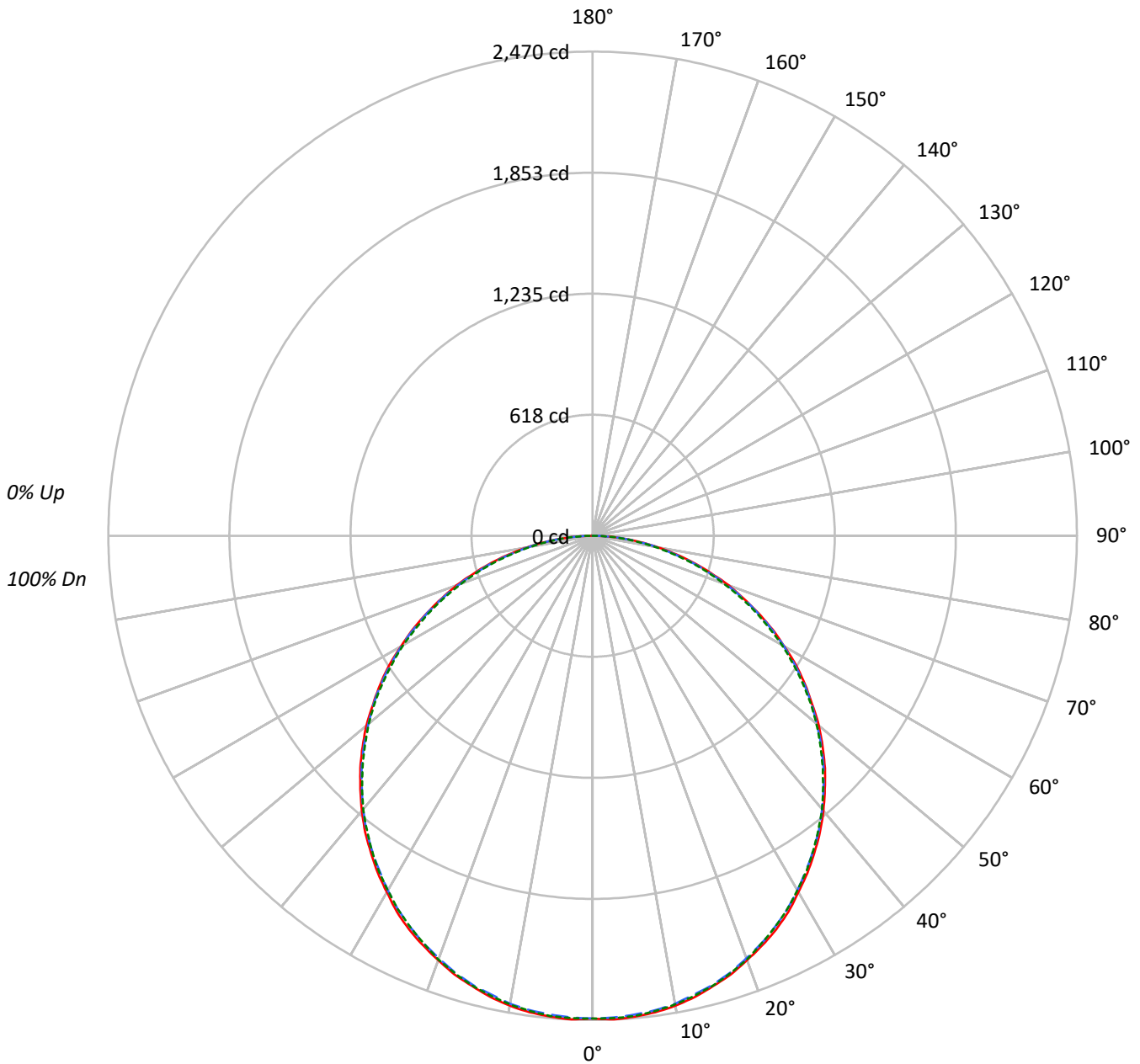
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7237.0 lumens
Efficiency: N/A
Efficacy: 118.8 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): 60.9
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

TEST NUMBER: P568536
CATALOG NUMBER: 24CGTX-72-L835

Luminous Intensity Polar Plot





TEST NUMBER: P568536

CATALOG NUMBER: 24CGTX-72-L835

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°	3314	3314	3314
5°	3326	3312	3322
10°	3326	3312	3317
15°	3313	3303	3308
20°	3299	3284	3294
25°	3290	3269	3269
30°	3262	3245	3245
35°	3240	3222	3222
40°	3216	3198	3198
45°	3189	3169	3156
50°	3154	3124	3117
55°	3104	3087	3062
60°	3038	3029	3000
65°	2966	2954	2910
70°	2901	2845	2790
75°	2788	2715	2660
80°	2624	2570	2461
85°	2397	2342	2234



TEST NUMBER: P568536

CATALOG NUMBER: 24CGTX-72-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	3.2
10°-20°	669.2	9.2
20°-30°	1015.5	14.0
30°-40°	1228.7	17.0
40°-50°	1283.6	17.7
50°-60°	1174.1	16.2
60°-70°	913.9	12.6
70°-80°	550.8	7.6
80°-90°	167.9	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°	1918.0	26.5
0°-40°	3146.7	43.5
0°-60°	5604.4	77.4
0°-90°	7237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2463	2463	2463	2463	2463	
5°	2463	2456	2452	2452	2459	234
15°	2378	2371	2371	2368	2375	672
25°	2216	2205	2202	2198	2202	1020
35°	1972	1965	1962	1962	1962	1235
45°	1676	1665	1665	1658	1658	1292
55°	1323	1320	1316	1306	1306	1182
65°	932	932	928	914	914	923
75°	536	529	522	512	512	564
85°	155	152	152	145	145	173
90°	0	0	0	0	0	



TEST NUMBER: P568536

CATALOG NUMBER: 24CGTX-72-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2462.8	2462.8	2462.8	2462.8	2462.8
2.5°	2469.9	2462.8	2459.3	2459.3	2462.8
5°	2462.8	2455.8	2452.2	2452.2	2459.3
7.5°	2452.2	2441.7	2441.7	2438.1	2445.2
10°	2434.6	2424.0	2424.0	2420.5	2427.5
12.5°	2409.9	2399.3	2395.8	2395.8	2402.8
15°	2378.1	2371.1	2371.1	2367.6	2374.6
17.5°	2346.4	2335.8	2335.8	2332.3	2339.3
20°	2304.1	2297.0	2293.5	2293.5	2300.5
22.5°	2261.7	2254.7	2251.1	2251.1	2251.1
25°	2215.8	2205.3	2201.7	2198.2	2201.7
27.5°	2162.9	2148.8	2148.8	2145.3	2148.8
30°	2099.4	2092.3	2088.8	2085.3	2088.8
32.5°	2039.4	2028.8	2025.3	2028.8	2028.8
35°	1972.4	1965.3	1961.8	1961.8	1961.8
37.5°	1905.3	1894.8	1894.8	1891.2	1891.2
40°	1831.2	1824.2	1820.7	1820.7	1820.7
42.5°	1753.6	1746.6	1743.0	1739.5	1739.5
45°	1676.0	1665.4	1665.4	1658.4	1658.4
47.5°	1591.3	1584.3	1580.7	1573.7	1573.7
50°	1506.6	1499.6	1492.5	1492.5	1489.0
52.5°	1411.4	1411.4	1407.8	1400.8	1400.8
55°	1323.2	1319.6	1316.1	1305.5	1305.5
57.5°	1231.4	1227.9	1220.8	1210.2	1210.2
60°	1129.1	1129.1	1125.6	1111.4	1115.0
62.5°	1033.8	1030.3	1026.8	1016.2	1012.7
65°	931.5	931.5	928.0	913.9	913.9
67.5°	832.7	832.7	825.6	811.5	811.5
70°	737.4	726.9	723.3	712.7	709.2
72.5°	631.6	628.1	621.0	610.4	610.4
75°	536.3	529.3	522.2	511.6	511.6
77.5°	434.0	426.9	419.9	416.4	409.3
80°	338.7	335.2	331.7	321.1	317.6
82.5°	243.5	239.9	236.4	232.9	229.3
85°	155.3	151.7	151.7	144.7	144.7
87.5°	67.0	70.6	63.5	67.0	63.5
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)