

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: P568397

Luminaire Tested: **22CGTX-25-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-25-L835
Description: 2X2 2500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

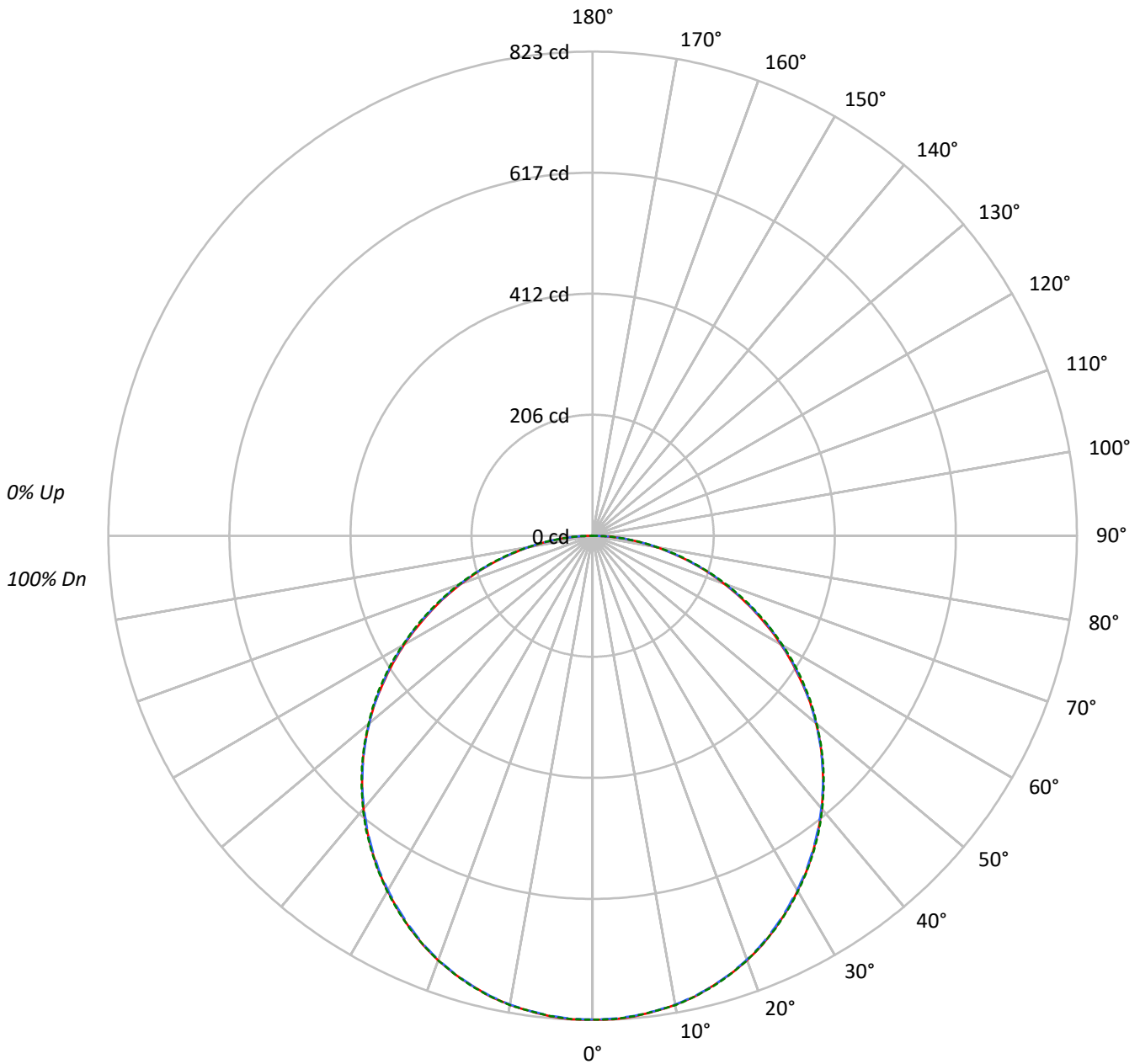
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2407.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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

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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	77	73	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	80	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	33								
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2213	2213	2213
5°	2215	2213	2214
10°	2212	2210	2214
15°	2206	2206	2208
20°	2199	2196	2199
25°	2184	2179	2185
30°	2166	2161	2169
35°	2147	2143	2151
40°	2128	2123	2132
45°	2104	2102	2110
50°	2076	2074	2081
55°	2034	2040	2053
60°	1989	1998	2011
65°	1931	1944	1959
70°	1864	1883	1899
75°	1789	1802	1824
80°	1683	1702	1714
85°	1531	1544	1568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	3.2
10°-20°	223.4	9.3
20°-30°	338.6	14.1
30°-40°	408.9	17.0
40°-50°	426.6	17.7
50°-60°	389.1	16.2
60°-70°	302.4	12.6
70°-80°	183.5	7.6
80°-90°	56.6	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°	639.9	26.6
0°-40°	1048.8	43.6
0°-60°	1864.6	77.5
0°-90°	2407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	820	819	819	819	820	78
15°	792	792	792	792	792	224
25°	736	734	734	735	736	339
35°	654	653	652	655	655	409
45°	553	552	552	555	554	426
55°	434	434	435	436	438	388
65°	303	304	305	306	308	300
75°	172	172	173	175	175	182
85°	50	50	50	51	51	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	822.4	822.4	822.4	822.4	822.4
2.5°	822.8	821.6	821.6	821.2	822.4
5°	820.0	818.7	819.1	818.7	819.6
7.5°	815.0	814.2	814.6	814.2	815.0
10°	809.7	808.9	808.9	808.9	810.1
12.5°	802.3	801.5	801.5	801.5	802.3
15°	791.7	791.7	791.7	791.7	792.5
17.5°	781.0	779.8	780.2	779.8	781.0
20°	767.9	766.3	766.7	766.7	767.9
22.5°	752.8	751.1	751.5	751.5	752.4
25°	735.5	733.9	733.9	735.1	736.0
27.5°	716.7	715.5	715.1	717.1	717.5
30°	697.0	696.2	695.4	697.4	697.9
32.5°	676.1	675.3	674.9	677.0	677.0
35°	653.6	652.8	652.4	654.8	654.8
37.5°	630.2	629.8	629.0	631.5	631.9
40°	605.7	604.8	604.4	606.9	606.9
42.5°	579.8	579.0	579.4	581.5	581.1
45°	552.8	552.4	552.4	554.8	554.4
47.5°	524.9	524.1	524.5	527.0	526.2
50°	495.8	495.0	495.4	497.9	497.1
52.5°	465.9	465.1	465.9	468.4	468.4
55°	433.5	434.4	434.8	436.0	437.6
57.5°	402.0	402.4	404.0	404.9	406.1
60°	369.6	370.4	371.3	372.9	373.7
62.5°	336.4	337.7	340.1	340.1	340.9
65°	303.2	304.1	305.3	306.5	307.7
67.5°	270.5	270.9	272.9	273.3	274.6
70°	236.9	237.3	239.3	239.7	241.4
72.5°	204.9	204.5	206.1	208.2	208.2
75°	172.1	171.7	173.3	175.0	175.4
77.5°	140.1	139.7	141.0	143.0	143.0
80°	108.6	109.4	109.8	111.5	110.6
82.5°	78.3	78.7	79.1	80.3	79.5
85°	49.6	50.0	50.0	51.2	50.8
87.5°	23.4	22.9	22.9	23.8	23.4
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)