

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: P568389

Luminaire Tested: **22CGTX-25-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568389
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-L830
Description: 2X2 2500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

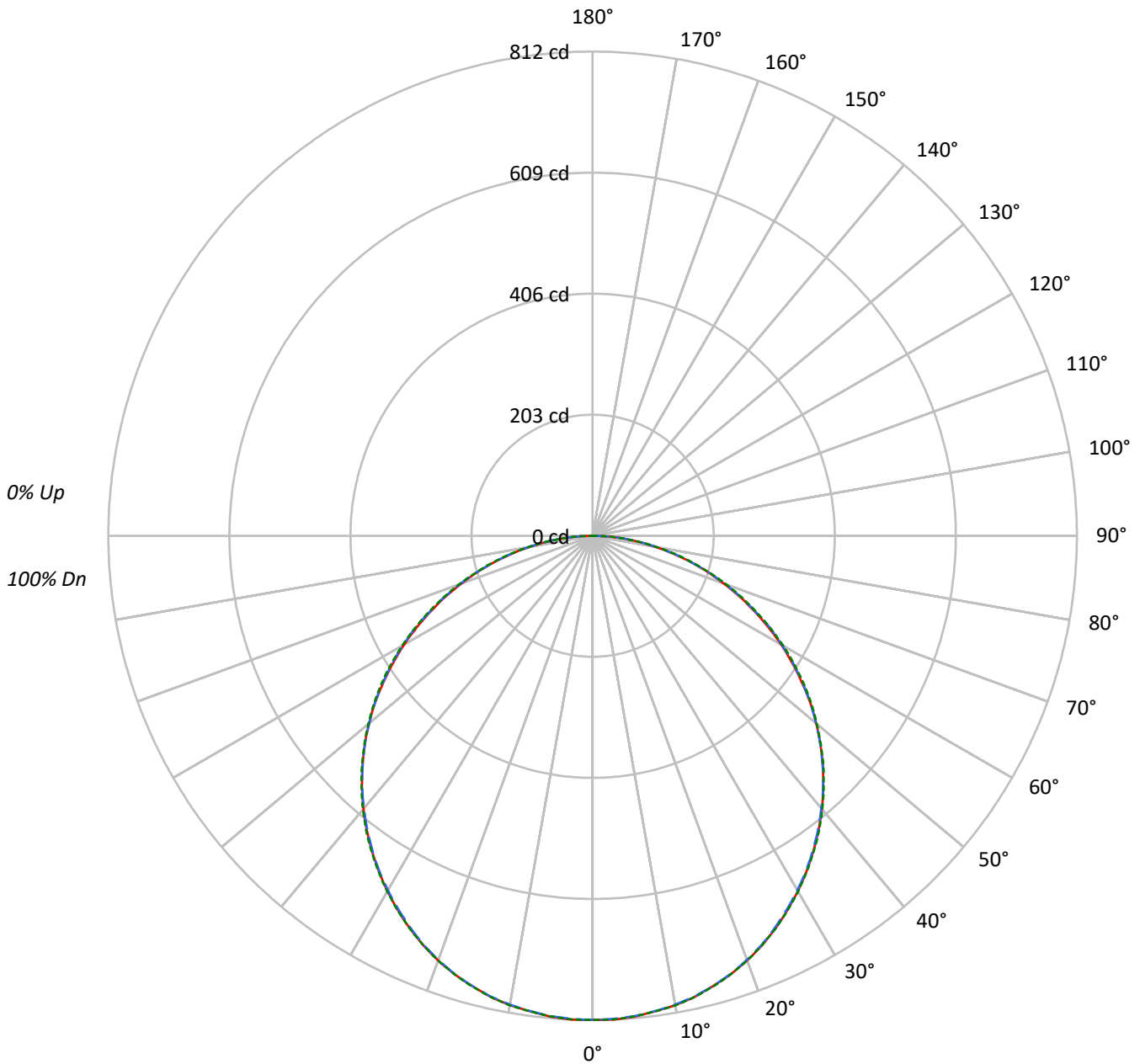
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2376.0 lumens
Efficiency: N/A
Efficacy: 125.7 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	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°	2185	2185	2185
5°	2186	2184	2185
10°	2184	2182	2185
15°	2177	2177	2179
20°	2171	2167	2171
25°	2156	2151	2157
30°	2138	2133	2141
35°	2120	2116	2123
40°	2100	2096	2105
45°	2077	2075	2083
50°	2049	2047	2054
55°	2008	2014	2027
60°	1964	1972	1985
65°	1906	1919	1934
70°	1840	1858	1875
75°	1766	1779	1800
80°	1661	1680	1692
85°	1510	1522	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	3.2
10°-20°	220.6	9.3
20°-30°	334.2	14.1
30°-40°	403.7	17.0
40°-50°	421.2	17.7
50°-60°	384.1	16.2
60°-70°	298.5	12.6
70°-80°	181.1	7.6
80°-90°	55.8	2.4
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°	631.7	26.6
0°-40°	1035.3	43.6
0°-60°	1840.6	77.5
0°-90°	2376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	809	808	809	808	809	77
15°	782	782	782	782	782	221
25°	726	724	724	726	726	335
35°	645	644	644	646	646	404
45°	546	545	545	548	547	421
55°	428	429	429	430	432	383
65°	299	300	301	303	304	296
75°	170	170	171	173	173	180
85°	49	49	49	51	50	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	811.8	811.8	811.8	811.8	811.8
2.5°	812.2	811.0	811.0	810.6	811.8
5°	809.4	808.2	808.6	808.2	809.0
7.5°	804.5	803.7	804.1	803.7	804.5
10°	799.3	798.5	798.5	798.5	799.7
12.5°	792.0	791.2	791.2	791.2	792.0
15°	781.5	781.5	781.5	781.5	782.3
17.5°	771.0	769.8	770.2	769.8	771.0
20°	758.0	756.4	756.8	756.8	758.0
22.5°	743.1	741.4	741.9	741.9	742.7
25°	726.1	724.5	724.5	725.7	726.5
27.5°	707.5	706.3	705.9	707.9	708.3
30°	688.1	687.2	686.4	688.5	688.9
32.5°	667.4	666.6	666.2	668.2	668.2
35°	645.2	644.4	644.0	646.4	646.4
37.5°	622.1	621.7	620.9	623.3	623.7
40°	597.9	597.0	596.6	599.1	599.1
42.5°	572.4	571.6	572.0	574.0	573.6
45°	545.7	545.3	545.3	547.7	547.3
47.5°	518.2	517.4	517.8	520.2	519.4
50°	489.4	488.6	489.0	491.5	490.7
52.5°	459.9	459.1	459.9	462.3	462.3
55°	428.0	428.8	429.2	430.4	432.0
57.5°	396.8	397.2	398.8	399.6	400.9
60°	364.9	365.7	366.5	368.1	368.9
62.5°	332.1	333.3	335.7	335.7	336.5
65°	299.3	300.1	301.4	302.6	303.8
67.5°	267.0	267.4	269.4	269.8	271.0
70°	233.8	234.2	236.2	236.6	238.3
72.5°	202.2	201.8	203.5	205.5	205.5
75°	169.9	169.5	171.1	172.7	173.1
77.5°	138.3	137.9	139.1	141.2	141.2
80°	107.2	108.0	108.4	110.0	109.2
82.5°	77.3	77.7	78.1	79.3	78.5
85°	48.9	49.3	49.3	50.6	50.2
87.5°	23.1	22.7	22.7	23.5	23.1
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)