

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: P568413

Luminaire Tested: **22CGTX-25-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568413
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-L850
Description: 2X2 2500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

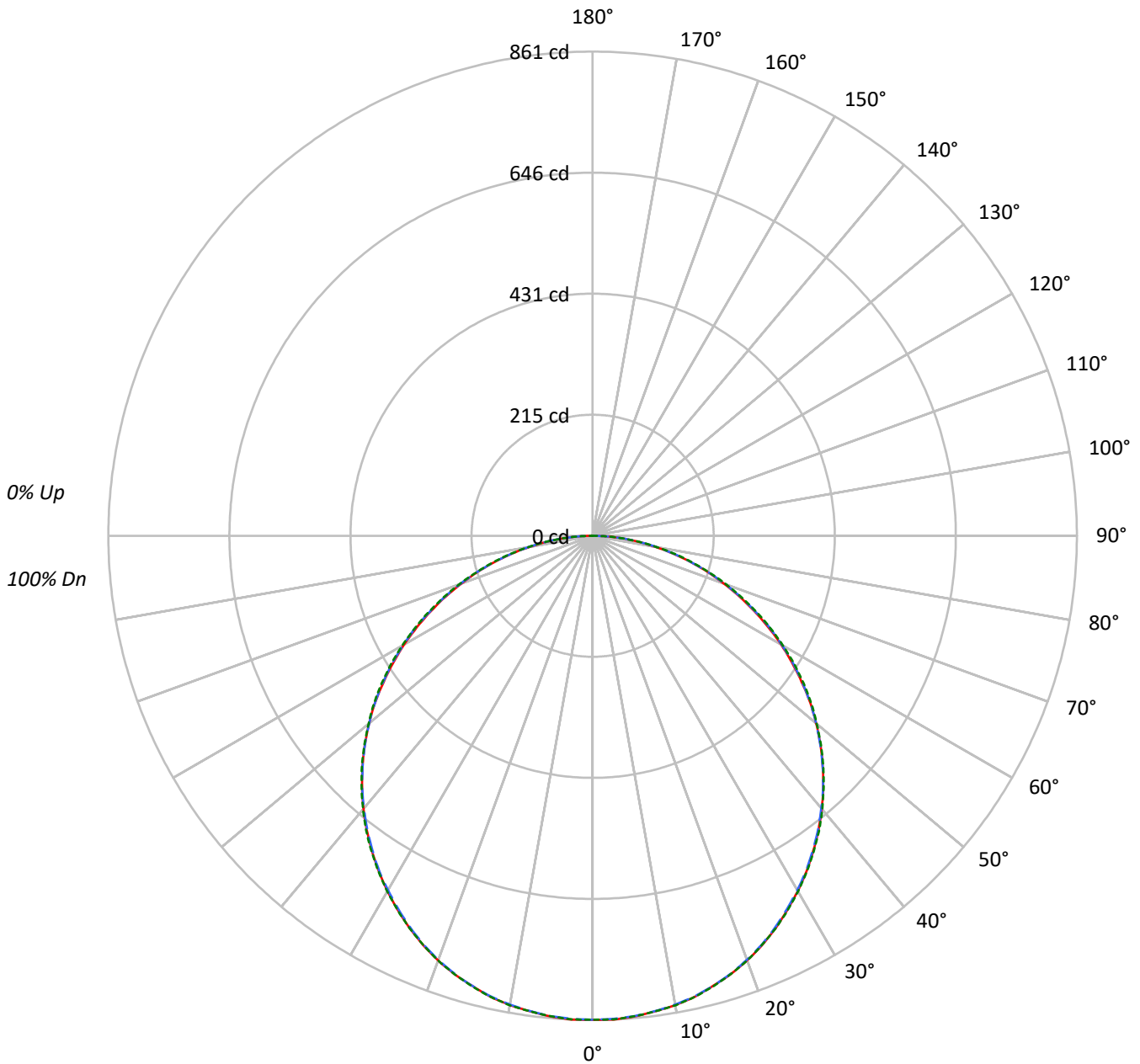
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2519.0 lumens
Efficiency: N/A
Efficacy: 133.3 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°	2316	2316	2316
5°	2318	2316	2317
10°	2316	2313	2317
15°	2308	2308	2311
20°	2302	2298	2302
25°	2286	2281	2287
30°	2267	2261	2269
35°	2247	2243	2251
40°	2226	2222	2231
45°	2202	2200	2208
50°	2172	2171	2178
55°	2129	2135	2149
60°	2082	2091	2105
65°	2020	2034	2051
70°	1950	1970	1987
75°	1873	1886	1908
80°	1760	1781	1795
85°	1602	1615	1643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	3.2
10°-20°	233.8	9.3
20°-30°	354.3	14.1
30°-40°	428.0	17.0
40°-50°	446.5	17.7
50°-60°	407.2	16.2
60°-70°	316.5	12.6
70°-80°	192.0	7.6
80°-90°	59.2	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°	669.7	26.6
0°-40°	1097.6	43.6
0°-60°	1951.3	77.5
0°-90°	2519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	858	857	857	857	858	82
15°	828	828	828	828	829	234
25°	770	768	768	769	770	355
35°	684	683	683	685	685	428
45°	578	578	578	581	580	446
55°	454	455	455	456	458	406
65°	317	318	320	321	322	314
75°	180	180	181	183	184	190
85°	52	52	52	54	53	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	860.7	860.7	860.7	860.7	860.7
2.5°	861.1	859.8	859.8	859.4	860.7
5°	858.1	856.8	857.3	856.8	857.7
7.5°	853.0	852.1	852.5	852.1	853.0
10°	847.4	846.5	846.5	846.5	847.8
12.5°	839.7	838.8	838.8	838.8	839.7
15°	828.5	828.5	828.5	828.5	829.4
17.5°	817.4	816.1	816.5	816.1	817.4
20°	803.7	801.9	802.4	802.4	803.7
22.5°	787.8	786.1	786.5	786.5	787.4
25°	769.8	768.1	768.1	769.3	770.2
27.5°	750.0	748.8	748.3	750.5	750.9
30°	729.5	728.6	727.7	729.9	730.3
32.5°	707.6	706.7	706.3	708.5	708.5
35°	684.0	683.1	682.7	685.3	685.3
37.5°	659.6	659.1	658.3	660.8	661.3
40°	633.8	633.0	632.5	635.1	635.1
42.5°	606.8	606.0	606.4	608.5	608.1
45°	578.5	578.1	578.1	580.7	580.2
47.5°	549.3	548.5	548.9	551.5	550.6
50°	518.9	518.0	518.5	521.0	520.2
52.5°	487.6	486.7	487.6	490.2	490.2
55°	453.7	454.6	455.0	456.3	458.0
57.5°	420.7	421.1	422.8	423.7	425.0
60°	386.8	387.7	388.5	390.2	391.1
62.5°	352.1	353.4	355.9	355.9	356.8
65°	317.3	318.2	319.5	320.8	322.1
67.5°	283.0	283.5	285.6	286.0	287.3
70°	247.9	248.3	250.4	250.9	252.6
72.5°	214.4	214.0	215.7	217.9	217.9
75°	180.1	179.7	181.4	183.1	183.5
77.5°	146.7	146.2	147.5	149.7	149.7
80°	113.6	114.5	114.9	116.6	115.8
82.5°	81.9	82.3	82.8	84.1	83.2
85°	51.9	52.3	52.3	53.6	53.2
87.5°	24.4	24.0	24.0	24.9	24.4
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)