

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: P568365

Luminaire Tested: **22CGTX-25HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568365
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-25HE-L840
Description: 2X2 2500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

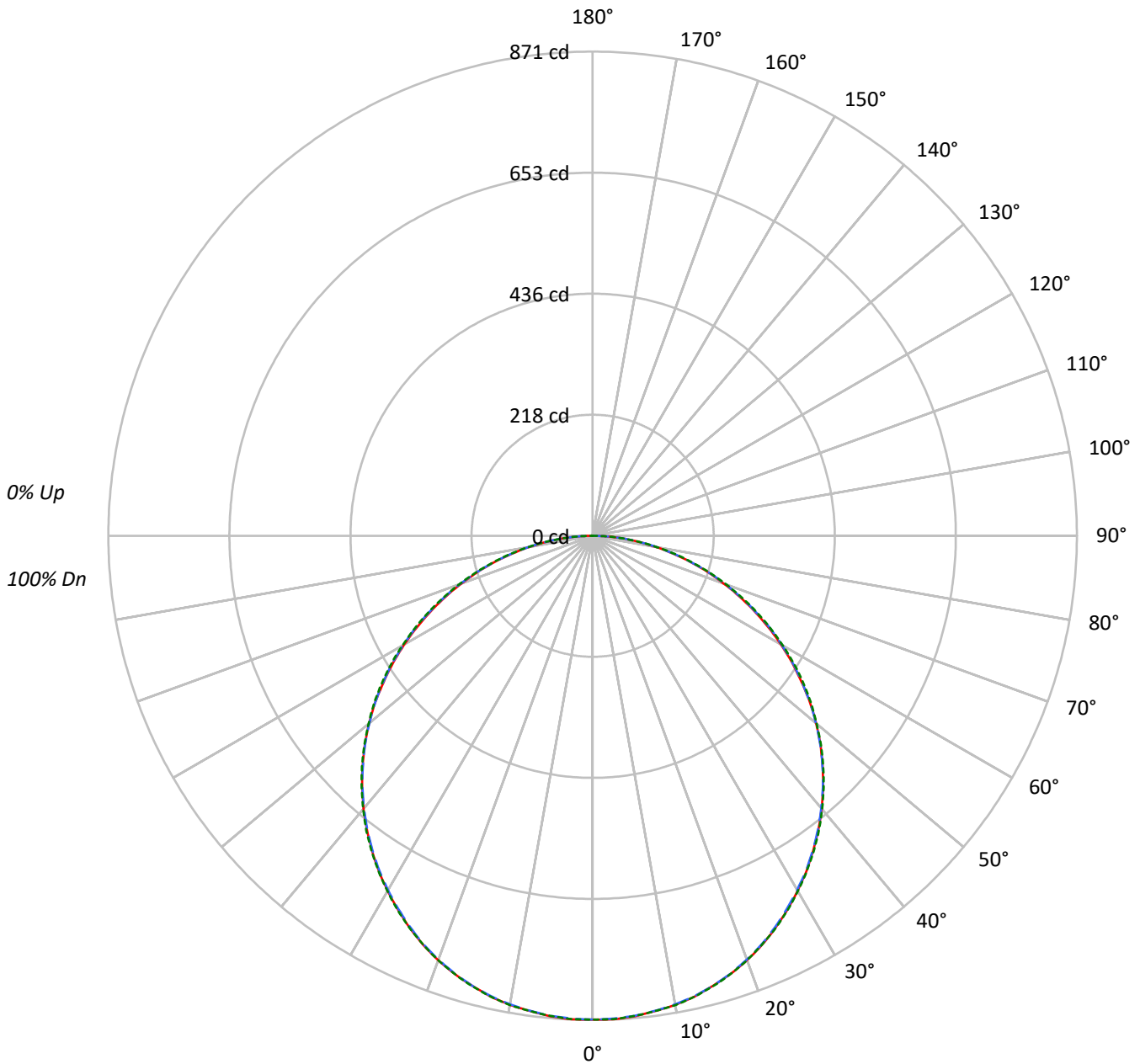
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2547.0 lumens
Efficiency: N/A
Efficacy: 132.7 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): 19.2
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°	2342	2342	2342
5°	2344	2341	2343
10°	2341	2339	2342
15°	2334	2334	2336
20°	2327	2323	2327
25°	2311	2306	2312
30°	2292	2286	2294
35°	2272	2268	2276
40°	2251	2247	2256
45°	2226	2224	2233
50°	2197	2195	2202
55°	2152	2159	2173
60°	2105	2115	2129
65°	2043	2057	2073
70°	1972	1992	2009
75°	1893	1907	1930
80°	1781	1801	1815
85°	1621	1633	1661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	3.2
10°-20°	236.4	9.3
20°-30°	358.3	14.1
30°-40°	432.7	17.0
40°-50°	451.5	17.7
50°-60°	411.7	16.2
60°-70°	320.0	12.6
70°-80°	194.1	7.6
80°-90°	59.9	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°	677.1	26.6
0°-40°	1109.8	43.6
0°-60°	1973.0	77.5
0°-90°	2547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	868	866	867	866	867	82
15°	838	838	838	838	839	237
25°	778	777	777	778	779	359
35°	692	691	690	693	693	433
45°	585	584	584	587	587	451
55°	459	460	460	461	463	410
65°	321	322	323	324	326	318
75°	182	182	183	185	186	193
85°	52	53	53	54	54	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	870.3	870.3	870.3	870.3	870.3
2.5°	870.7	869.4	869.4	869.0	870.3
5°	867.7	866.4	866.8	866.4	867.2
7.5°	862.5	861.6	862.0	861.6	862.5
10°	856.8	855.9	855.9	855.9	857.2
12.5°	849.0	848.1	848.1	848.1	849.0
15°	837.7	837.7	837.7	837.7	838.6
17.5°	826.5	825.2	825.6	825.2	826.5
20°	812.6	810.9	811.3	811.3	812.6
22.5°	796.5	794.8	795.2	795.2	796.1
25°	778.3	776.6	776.6	777.9	778.8
27.5°	758.4	757.1	756.7	758.8	759.3
30°	737.6	736.7	735.8	738.0	738.4
32.5°	715.5	714.6	714.2	716.3	716.3
35°	691.6	690.7	690.3	692.9	692.9
37.5°	666.9	666.5	665.6	668.2	668.6
40°	640.9	640.0	639.6	642.2	642.2
42.5°	613.6	612.7	613.1	615.3	614.9
45°	584.9	584.5	584.5	587.1	586.7
47.5°	555.5	554.6	555.0	557.6	556.8
50°	524.7	523.8	524.2	526.8	526.0
52.5°	493.0	492.1	493.0	495.6	495.6
55°	458.8	459.6	460.1	461.4	463.1
57.5°	425.4	425.8	427.5	428.4	429.7
60°	391.1	392.0	392.9	394.6	395.5
62.5°	356.0	357.3	359.9	359.9	360.8
65°	320.9	321.7	323.0	324.3	325.6
67.5°	286.2	286.6	288.8	289.2	290.5
70°	250.6	251.1	253.2	253.7	255.4
72.5°	216.8	216.4	218.1	220.3	220.3
75°	182.1	181.7	183.4	185.2	185.6
77.5°	148.3	147.9	149.2	151.3	151.3
80°	114.9	115.8	116.2	117.9	117.1
82.5°	82.8	83.3	83.7	85.0	84.1
85°	52.5	52.9	52.9	54.2	53.8
87.5°	24.7	24.3	24.3	25.1	24.7
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)