

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: P568341

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568341
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-L830
Description: 2X2 2500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

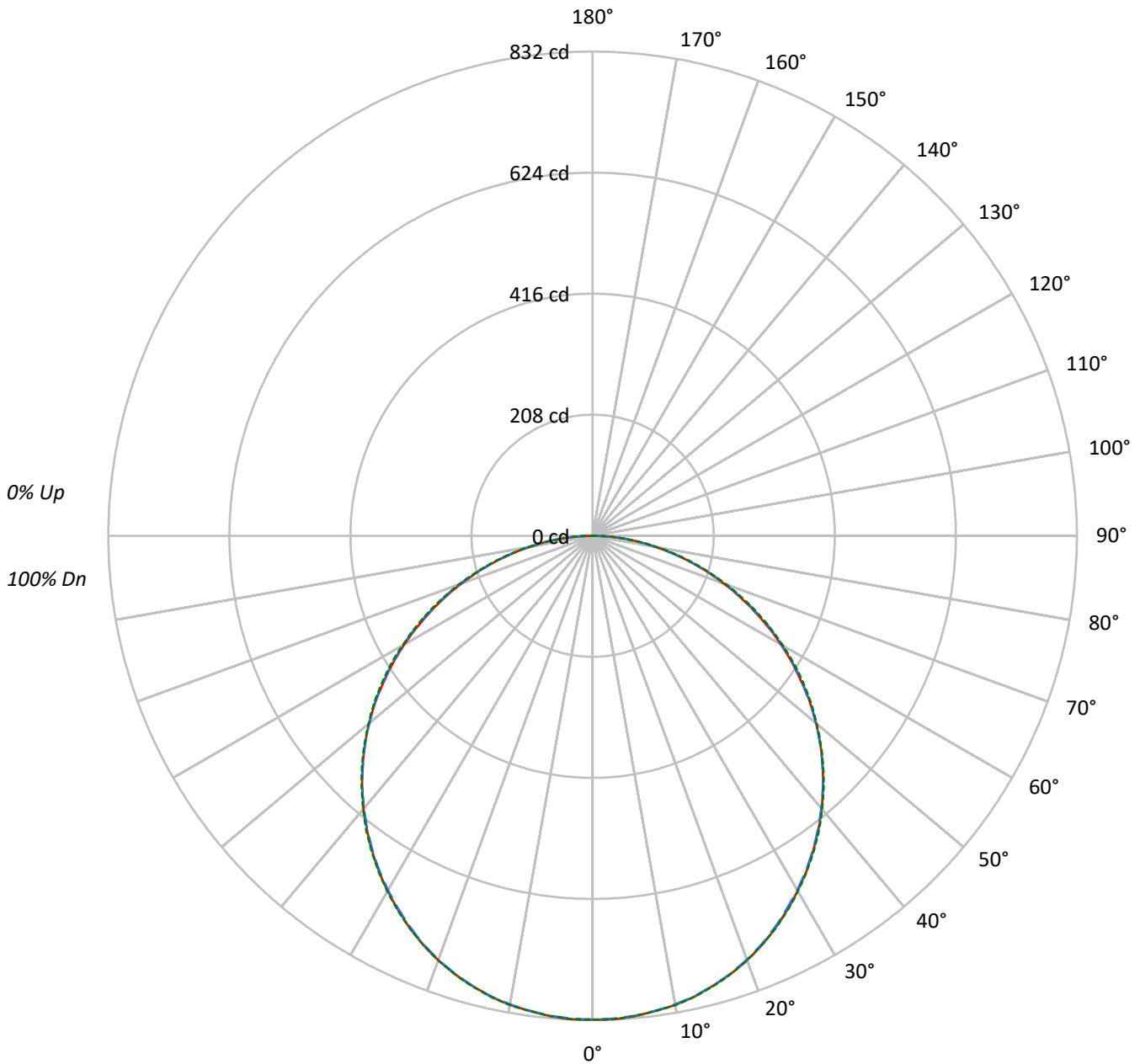
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2433.0 lumens
Efficiency: N/A
Efficacy: 126.7 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									
RC	80									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°	2237	2237	2237
5°	2239	2237	2238
10°	2237	2234	2238
15°	2229	2229	2232
20°	2223	2219	2223
25°	2208	2203	2209
30°	2189	2184	2192
35°	2170	2166	2174
40°	2151	2146	2155
45°	2127	2125	2133
50°	2098	2097	2103
55°	2056	2062	2076
60°	2011	2020	2033
65°	1952	1965	1981
70°	1884	1903	1920
75°	1809	1822	1843
80°	1702	1720	1733
85°	1547	1559	1587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	3.2
10°-20°	225.9	9.3
20°-30°	342.2	14.1
30°-40°	413.3	17.0
40°-50°	431.3	17.7
50°-60°	393.3	16.2
60°-70°	305.7	12.6
70°-80°	185.4	7.6
80°-90°	57.2	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°	646.8	26.6
0°-40°	1060.2	43.6
0°-60°	1884.7	77.5
0°-90°	2433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2433.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	831	831	831	831	831	
5°	829	828	828	828	828	79
15°	800	800	800	800	801	226
25°	744	742	742	743	744	343
35°	661	660	659	662	662	413
45°	559	558	558	561	560	431
55°	438	439	440	441	442	392
65°	306	307	309	310	311	304
75°	174	174	175	177	177	184
85°	50	50	50	52	51	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	831.3	831.3	831.3	831.3	831.3
2.5°	831.7	830.5	830.5	830.1	831.3
5°	828.8	827.6	828.0	827.6	828.4
7.5°	823.9	823.0	823.4	823.0	823.9
10°	818.5	817.6	817.6	817.6	818.9
12.5°	811.0	810.2	810.2	810.2	811.0
15°	800.2	800.2	800.2	800.2	801.1
17.5°	789.5	788.2	788.6	788.2	789.5
20°	776.2	774.6	775.0	775.0	776.2
22.5°	760.9	759.2	759.6	759.6	760.5
25°	743.5	741.8	741.8	743.1	743.9
27.5°	724.4	723.2	722.8	724.9	725.3
30°	704.6	703.7	702.9	705.0	705.4
32.5°	683.4	682.6	682.2	684.3	684.3
35°	660.7	659.8	659.4	661.9	661.9
37.5°	637.0	636.6	635.8	638.3	638.7
40°	612.2	611.4	611.0	613.4	613.4
42.5°	586.1	585.3	585.7	587.8	587.3
45°	558.8	558.3	558.3	560.8	560.4
47.5°	530.6	529.8	530.2	532.7	531.8
50°	501.2	500.4	500.8	503.3	502.4
52.5°	470.9	470.1	470.9	473.4	473.4
55°	438.2	439.1	439.5	440.7	442.4
57.5°	406.3	406.7	408.4	409.2	410.5
60°	373.6	374.4	375.3	376.9	377.8
62.5°	340.1	341.3	343.8	343.8	344.6
65°	306.5	307.3	308.6	309.8	311.1
67.5°	273.4	273.8	275.9	276.3	277.5
70°	239.4	239.8	241.9	242.3	244.0
72.5°	207.1	206.7	208.3	210.4	210.4
75°	174.0	173.6	175.2	176.9	177.3
77.5°	141.7	141.2	142.5	144.6	144.6
80°	109.8	110.6	111.0	112.7	111.8
82.5°	79.1	79.5	79.9	81.2	80.4
85°	50.1	50.5	50.5	51.8	51.4
87.5°	23.6	23.2	23.2	24.0	23.6
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)