

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: P568335

Luminaire Tested: **14CGTX-30-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTX-30-L850
Description: 1X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

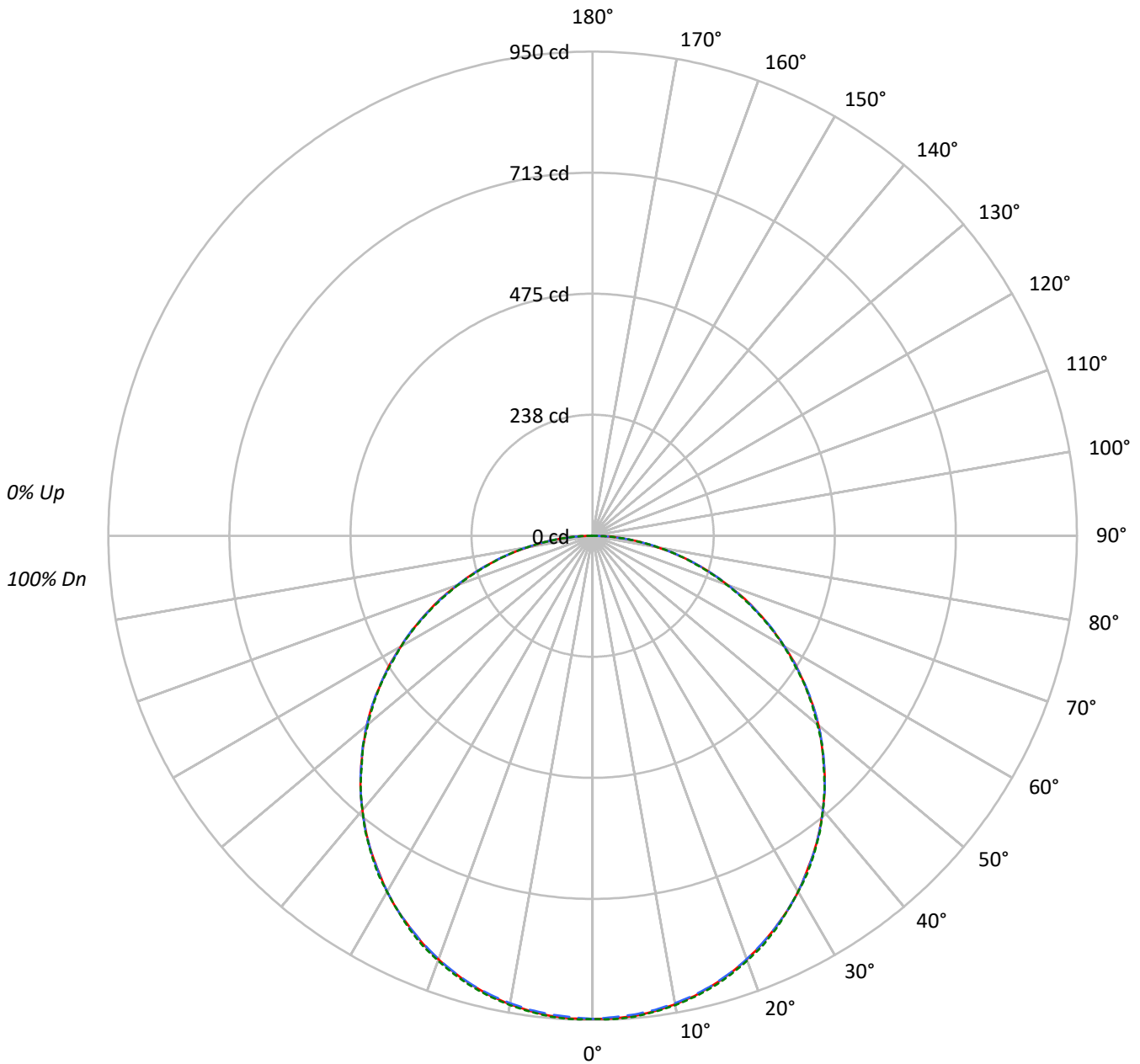
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2803.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
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	93	90	93	90	88	89	87	85	83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69			
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57			
4	82	69	60	54	79	68	60	53	66	58	52	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	44	39	50	44	39	37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2551	2551	2551
5°	2555	2547	2558
10°	2551	2545	2555
15°	2544	2542	2551
20°	2533	2531	2540
25°	2518	2518	2526
30°	2506	2505	2506
35°	2487	2488	2492
40°	2468	2468	2468
45°	2445	2444	2437
50°	2423	2423	2408
55°	2381	2387	2377
60°	2338	2338	2332
65°	2287	2285	2272
70°	2213	2224	2199
75°	2143	2147	2118
80°	1991	2024	2024
85°	1877	1853	1822



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	3.2
10°-20°	257.9	9.2
20°-30°	391.5	14.0
30°-40°	474.1	16.9
40°-50°	496.0	17.7
50°-60°	454.2	16.2
60°-70°	355.3	12.7
70°-80°	217.3	7.8
80°-90°	66.9	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°	739.3	26.4
0°-40°	1213.4	43.3
0°-60°	2163.6	77.2
0°-90°	2803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	946	946	943	946	947	90
15°	913	914	912	915	916	258
25°	848	850	848	850	851	391
35°	757	758	758	758	758	474
45°	643	644	642	642	640	496
55°	507	511	509	507	507	454
65°	359	361	359	358	357	356
75°	206	205	206	205	204	217
85°	61	59	60	59	59	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	948.1	948.1	948.1	948.1	948.1
2.5°	948.1	948.1	945.3	948.8	949.5
5°	945.7	945.7	942.9	946.0	947.1
7.5°	940.4	940.8	938.3	941.5	941.8
10°	933.4	933.7	931.3	934.8	935.1
12.5°	924.6	925.0	922.9	926.0	926.4
15°	913.0	913.7	912.3	914.8	915.8
17.5°	899.7	900.7	899.0	902.1	902.5
20°	884.6	884.9	883.9	886.3	887.0
22.5°	867.4	868.4	866.7	869.8	870.9
25°	848.1	849.8	848.1	850.2	850.9
27.5°	828.4	829.8	828.4	829.4	828.7
30°	806.6	807.0	806.3	806.6	806.6
32.5°	781.3	782.7	782.0	783.8	784.5
35°	757.1	757.5	757.5	758.5	758.5
37.5°	730.8	730.8	731.1	732.2	732.2
40°	702.7	703.4	702.7	703.4	702.7
42.5°	674.2	673.9	674.2	674.6	673.5
45°	642.6	643.7	642.3	642.3	640.5
47.5°	610.0	612.1	611.7	610.7	611.0
50°	578.7	579.4	578.7	577.7	575.2
52.5°	543.9	546.1	544.3	544.7	541.8
55°	507.4	510.9	508.8	507.4	506.7
57.5°	472.7	473.7	471.6	469.9	468.8
60°	434.4	435.8	434.4	433.0	433.3
62.5°	396.8	398.9	399.3	396.5	395.8
65°	359.2	361.0	358.9	357.5	356.8
67.5°	322.7	322.4	320.6	318.9	318.2
70°	281.3	283.7	282.7	283.0	279.5
72.5°	244.4	244.8	243.7	243.7	240.9
75°	206.1	205.1	206.5	205.1	203.7
77.5°	168.2	169.3	168.9	167.2	168.6
80°	128.5	129.9	130.6	129.2	130.6
82.5°	95.2	95.2	94.8	94.8	93.8
85°	60.8	58.6	60.0	58.6	59.0
87.5°	27.7	27.4	26.0	27.0	26.7
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)