

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: P568307

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

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568307
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-30HE-L850
Description: 1X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

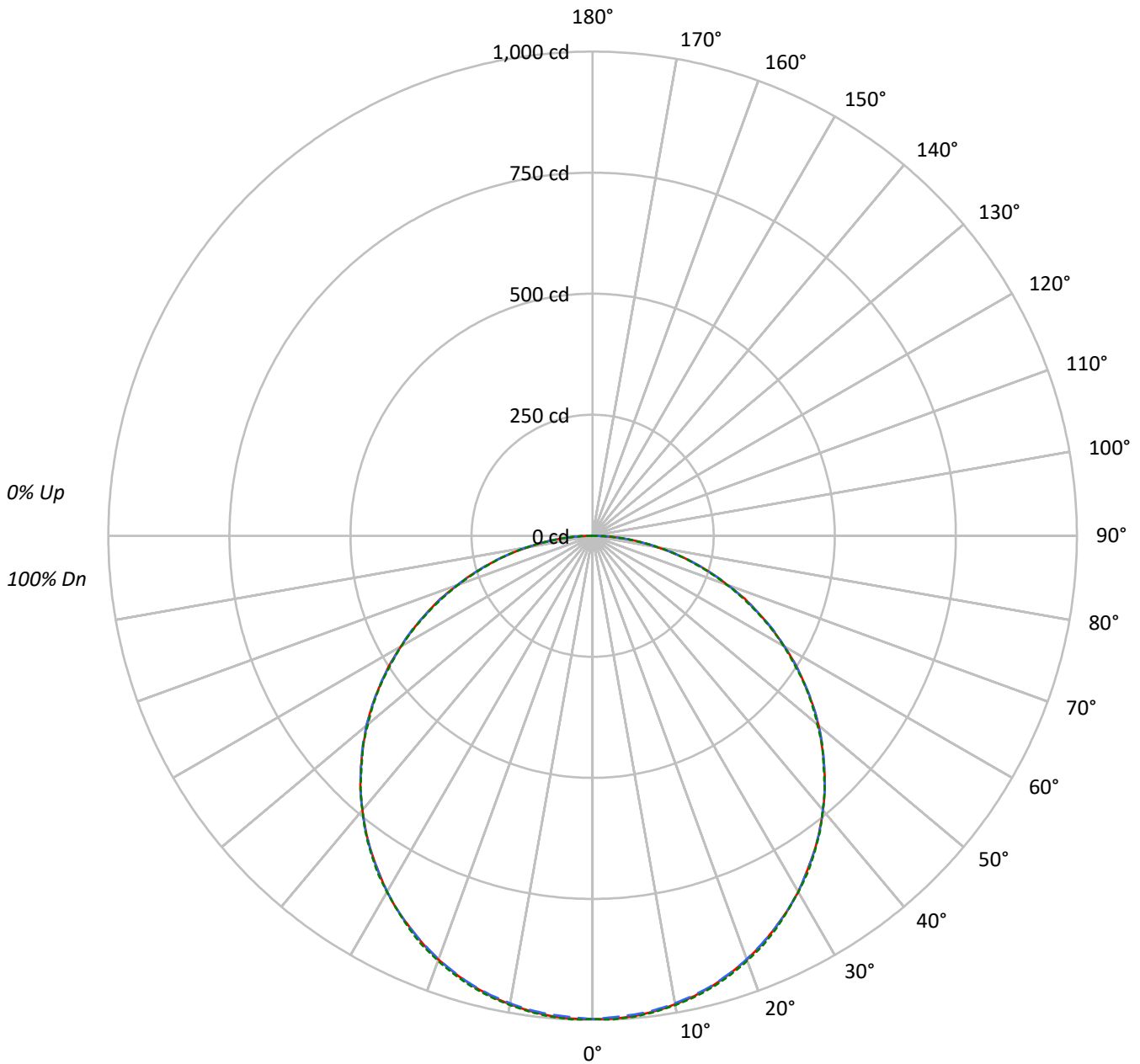
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2951.0 lumens
Efficiency: N/A
Efficacy: 131.7 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): 22.4
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°	2686	2686	2686
5°	2689	2682	2693
10°	2685	2679	2690
15°	2678	2676	2686
20°	2667	2665	2674
25°	2651	2651	2660
30°	2639	2637	2639
35°	2619	2620	2623
40°	2599	2599	2599
45°	2575	2573	2566
50°	2551	2551	2535
55°	2506	2513	2503
60°	2461	2461	2455
65°	2408	2406	2392
70°	2330	2341	2316
75°	2256	2260	2229
80°	2097	2131	2131
85°	1976	1951	1917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.2
10°-20°	271.5	9.2
20°-30°	412.2	14.0
30°-40°	499.1	16.9
40°-50°	522.1	17.7
50°-60°	478.2	16.2
60°-70°	374.0	12.7
70°-80°	228.7	7.8
80°-90°	70.4	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°	778.3	26.4
0°-40°	1277.4	43.3
0°-60°	2277.8	77.2
0°-90°	2951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	996	996	993	996	997	95
15°	961	962	960	963	964	271
25°	893	895	893	895	896	412
35°	797	797	797	799	799	499
45°	677	678	676	676	674	522
55°	534	538	536	534	534	478
65°	378	380	378	376	376	374
75°	217	216	217	216	214	229
85°	64	62	63	62	62	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	998.2	998.2	998.2	998.2	998.2
2.5°	998.2	998.2	995.2	998.9	999.7
5°	995.6	995.6	992.7	996.0	997.1
7.5°	990.1	990.4	987.8	991.2	991.5
10°	982.7	983.0	980.5	984.1	984.5
12.5°	973.4	973.8	971.6	974.9	975.3
15°	961.2	962.0	960.5	963.1	964.2
17.5°	947.2	948.3	946.4	949.8	950.1
20°	931.3	931.7	930.5	933.1	933.9
22.5°	913.2	914.3	912.4	915.8	916.9
25°	892.8	894.7	892.8	895.1	895.8
27.5°	872.1	873.6	872.1	873.2	872.5
30°	849.2	849.6	848.8	849.2	849.2
32.5°	822.6	824.1	823.3	825.2	825.9
35°	797.1	797.4	797.4	798.6	798.6
37.5°	769.4	769.4	769.7	770.8	770.8
40°	739.8	740.5	739.8	740.5	739.8
42.5°	709.8	709.5	709.8	710.2	709.1
45°	676.6	677.7	676.2	676.2	674.3
47.5°	642.2	644.4	644.0	642.9	643.3
50°	609.3	610.0	609.3	608.2	605.6
52.5°	572.7	574.9	573.0	573.4	570.5
55°	534.2	537.9	535.7	534.2	533.5
57.5°	497.6	498.7	496.5	494.7	493.6
60°	457.3	458.8	457.3	455.8	456.2
62.5°	417.8	420.0	420.4	417.4	416.7
65°	378.2	380.1	377.8	376.4	375.6
67.5°	339.8	339.4	337.5	335.7	335.0
70°	296.1	298.7	297.6	298.0	294.3
72.5°	257.3	257.7	256.6	256.6	253.6
75°	217.0	215.9	217.4	215.9	214.4
77.5°	177.1	178.2	177.8	176.0	177.5
80°	135.3	136.8	137.5	136.1	137.5
82.5°	100.2	100.2	99.8	99.8	98.7
85°	64.0	61.7	63.2	61.7	62.1
87.5°	29.2	28.8	27.4	28.5	28.1
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)