

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: P568302

Luminaire Tested: **14CGTX-30HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568302
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-L940
Description: 1X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

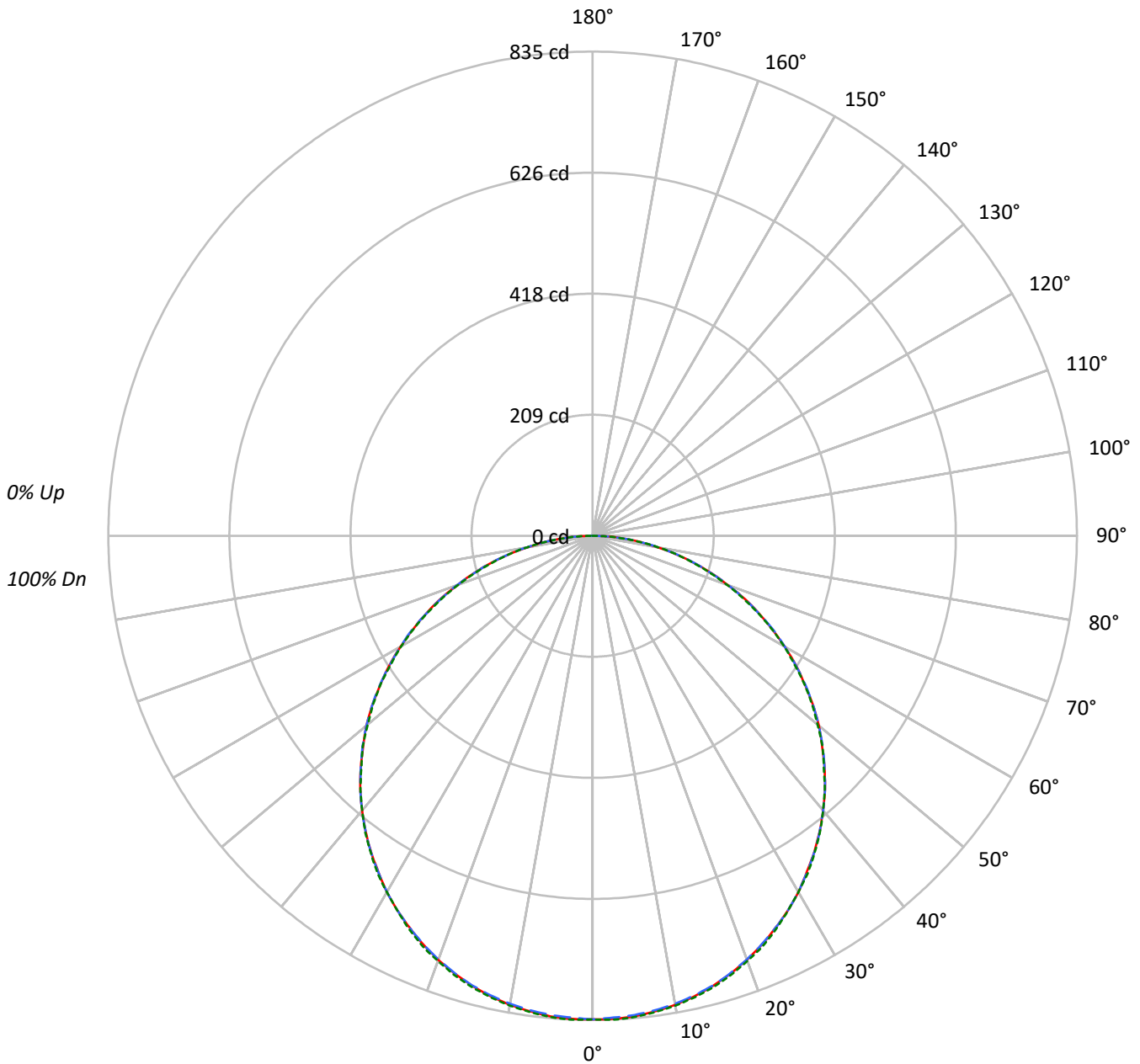
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2466.0 lumens
Efficiency: N/A
Efficacy: 110.1 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°	2245	2245	2245
5°	2247	2241	2251
10°	2244	2239	2248
15°	2238	2236	2245
20°	2229	2227	2235
25°	2215	2215	2223
30°	2205	2204	2205
35°	2188	2189	2192
40°	2172	2172	2172
45°	2152	2151	2144
50°	2131	2131	2118
55°	2094	2100	2092
60°	2057	2057	2052
65°	2012	2010	1999
70°	1947	1957	1935
75°	1885	1889	1863
80°	1753	1781	1781
85°	1649	1630	1602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	3.2
10°-20°	226.9	9.2
20°-30°	344.5	14.0
30°-40°	417.1	16.9
40°-50°	436.3	17.7
50°-60°	399.6	16.2
60°-70°	312.6	12.7
70°-80°	191.1	7.8
80°-90°	58.9	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°	650.4	26.4
0°-40°	1067.5	43.3
0°-60°	1903.5	77.2
0°-90°	2466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	832	832	830	832	833	79
15°	803	804	803	805	806	227
25°	746	748	746	748	749	344
35°	666	666	666	667	667	417
45°	565	566	565	565	564	436
55°	446	450	448	446	446	400
65°	316	318	316	314	314	313
75°	181	180	182	180	179	191
85°	53	52	53	52	52	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	834.1	834.1	834.1	834.1	834.1
2.5°	834.1	834.1	831.7	834.8	835.4
5°	832.0	832.0	829.5	832.3	833.2
7.5°	827.3	827.7	825.5	828.3	828.6
10°	821.2	821.5	819.3	822.4	822.7
12.5°	813.4	813.8	811.9	814.7	815.0
15°	803.2	803.9	802.6	804.8	805.7
17.5°	791.5	792.4	790.9	793.7	794.0
20°	778.2	778.5	777.6	779.8	780.4
22.5°	763.1	764.0	762.5	765.2	766.2
25°	746.1	747.6	746.1	747.9	748.6
27.5°	728.8	730.0	728.8	729.7	729.1
30°	709.6	709.9	709.3	709.6	709.6
32.5°	687.4	688.6	688.0	689.6	690.2
35°	666.1	666.4	666.4	667.3	667.3
37.5°	642.9	642.9	643.2	644.1	644.1
40°	618.2	618.8	618.2	618.8	618.2
42.5°	593.2	592.9	593.2	593.5	592.6
45°	565.4	566.3	565.1	565.1	563.5
47.5°	536.6	538.5	538.2	537.3	537.6
50°	509.1	509.8	509.1	508.2	506.0
52.5°	478.6	480.4	478.9	479.2	476.7
55°	446.4	449.5	447.7	446.4	445.8
57.5°	415.8	416.8	414.9	413.4	412.4
60°	382.2	383.4	382.2	380.9	381.2
62.5°	349.1	351.0	351.3	348.8	348.2
65°	316.0	317.6	315.7	314.5	313.9
67.5°	283.9	283.6	282.1	280.5	279.9
70°	247.5	249.6	248.7	249.0	245.9
72.5°	215.0	215.3	214.4	214.4	211.9
75°	181.3	180.4	181.7	180.4	179.2
77.5°	148.0	148.9	148.6	147.1	148.3
80°	113.1	114.3	114.9	113.7	114.9
82.5°	83.7	83.7	83.4	83.4	82.5
85°	53.4	51.6	52.8	51.6	51.9
87.5°	24.4	24.1	22.9	23.8	23.5
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)