

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: P568292

Luminaire Tested: **14CGTX-30HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568292
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-L935
Description: 1X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

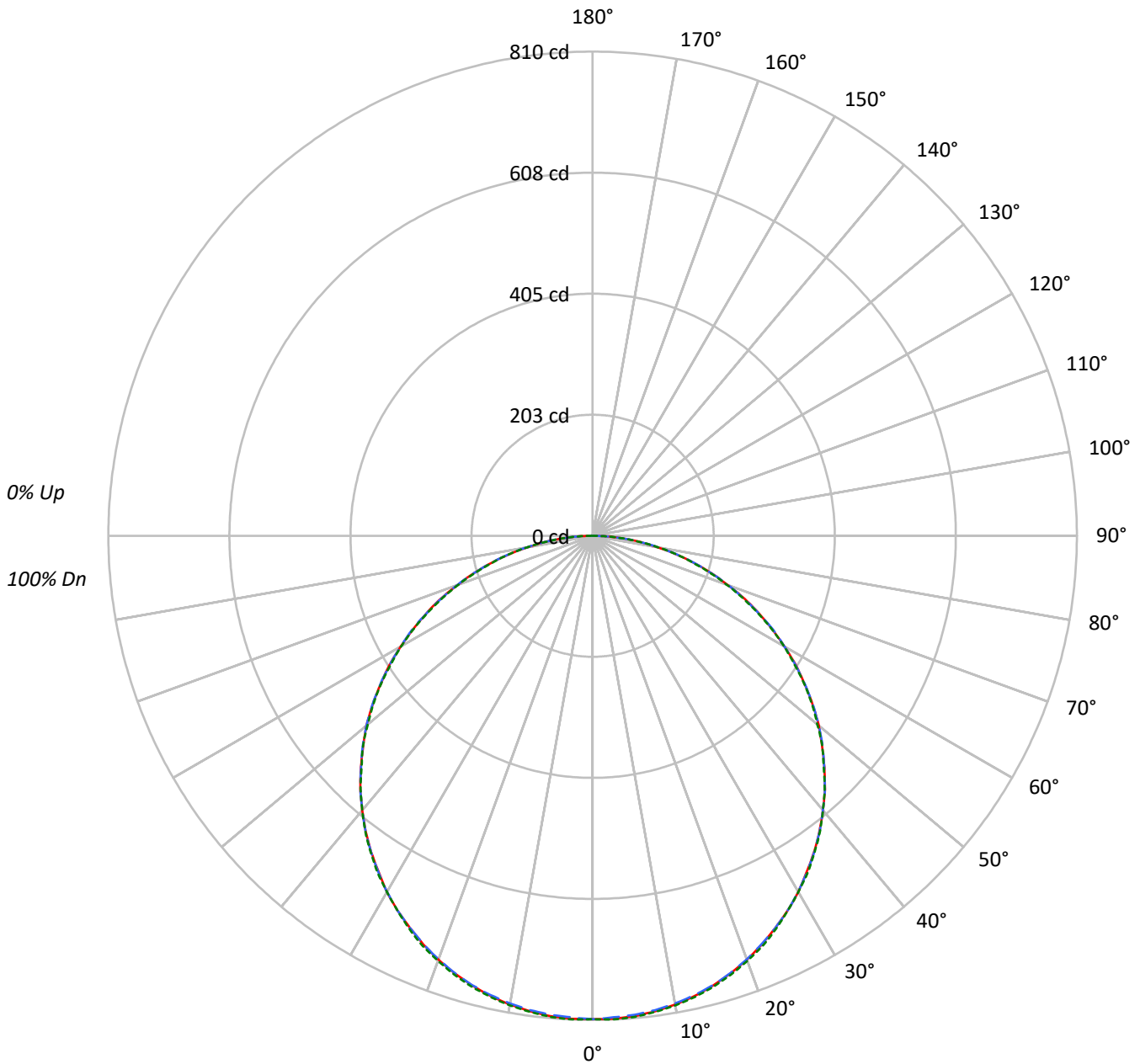
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391.0 lumens
Efficiency: N/A
Efficacy: 106.7 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°	2176	2176	2176
5°	2179	2173	2182
10°	2176	2171	2180
15°	2170	2168	2176
20°	2161	2159	2167
25°	2148	2148	2155
30°	2138	2137	2138
35°	2122	2122	2125
40°	2106	2106	2106
45°	2086	2085	2079
50°	2067	2067	2054
55°	2031	2036	2028
60°	1994	1994	1989
65°	1951	1949	1938
70°	1888	1897	1876
75°	1828	1831	1806
80°	1698	1726	1726
85°	1599	1581	1553



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.2
10°-20°	220.0	9.2
20°-30°	334.0	14.0
30°-40°	404.4	16.9
40°-50°	423.1	17.7
50°-60°	387.5	16.2
60°-70°	303.0	12.7
70°-80°	185.3	7.8
80°-90°	57.1	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°	630.6	26.4
0°-40°	1035.0	43.3
0°-60°	1845.6	77.2
0°-90°	2391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	807	807	804	807	808	77
15°	779	779	778	780	781	220
25°	723	725	723	725	726	334
35°	646	646	646	647	647	404
45°	548	549	548	548	546	423
55°	433	436	434	433	432	387
65°	306	308	306	305	304	303
75°	176	175	176	175	174	185
85°	52	50	51	50	50	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	808.8	808.8	808.8	808.8	<i>808.8</i>
2.5°	<i>808.8</i>	<i>808.8</i>	<i>806.4</i>	<i>809.4</i>	<i>810.0</i>
5°	806.7	806.7	804.3	807.0	<i>807.9</i>
7.5°	802.2	802.5	800.4	803.1	<i>803.4</i>
10°	796.2	796.5	794.4	797.4	<i>797.7</i>
12.5°	788.7	789.0	787.2	789.9	<i>790.2</i>
15°	778.8	779.4	778.2	780.3	<i>781.2</i>
17.5°	767.4	768.3	766.8	769.5	<i>769.8</i>
20°	754.6	754.9	754.0	756.1	<i>756.7</i>
22.5°	739.9	740.8	739.3	742.0	<i>742.9</i>
25°	723.4	724.9	723.4	725.2	<i>725.8</i>
27.5°	706.6	707.8	706.6	707.5	<i>706.9</i>
30°	688.1	688.4	687.8	688.1	<i>688.1</i>
32.5°	666.5	667.7	667.1	668.6	<i>669.2</i>
35°	645.8	646.1	646.1	647.0	<i>647.0</i>
37.5°	623.4	623.4	623.7	624.6	<i>624.6</i>
40°	599.4	600.0	599.4	600.0	<i>599.4</i>
42.5°	575.1	574.8	575.1	575.4	<i>574.5</i>
45°	548.2	549.1	547.9	547.9	<i>546.4</i>
47.5°	520.3	522.1	521.8	520.9	<i>521.2</i>
50°	493.7	494.3	493.7	492.8	<i>490.7</i>
52.5°	464.0	465.8	464.3	464.6	<i>462.2</i>
55°	432.8	435.8	434.0	432.8	<i>432.2</i>
57.5°	403.2	404.1	402.3	400.8	<i>399.9</i>
60°	370.5	371.7	370.5	369.3	<i>369.6</i>
62.5°	338.5	340.3	340.6	338.2	<i>337.6</i>
65°	306.4	307.9	306.1	304.9	<i>304.3</i>
67.5°	275.3	275.0	273.5	272.0	<i>271.4</i>
70°	239.9	242.0	241.1	241.4	<i>238.4</i>
72.5°	208.5	208.8	207.9	207.9	<i>205.5</i>
75°	175.8	174.9	176.1	174.9	<i>173.7</i>
77.5°	143.5	144.4	144.1	142.6	<i>143.8</i>
80°	109.6	110.8	111.4	110.2	<i>111.4</i>
82.5°	81.2	81.2	80.9	80.9	<i>80.0</i>
85°	51.8	50.0	51.2	50.0	<i>50.3</i>
87.5°	23.7	23.4	22.2	23.1	<i>22.8</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)