

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: P568332

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

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568332
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-L940
Description: 1X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

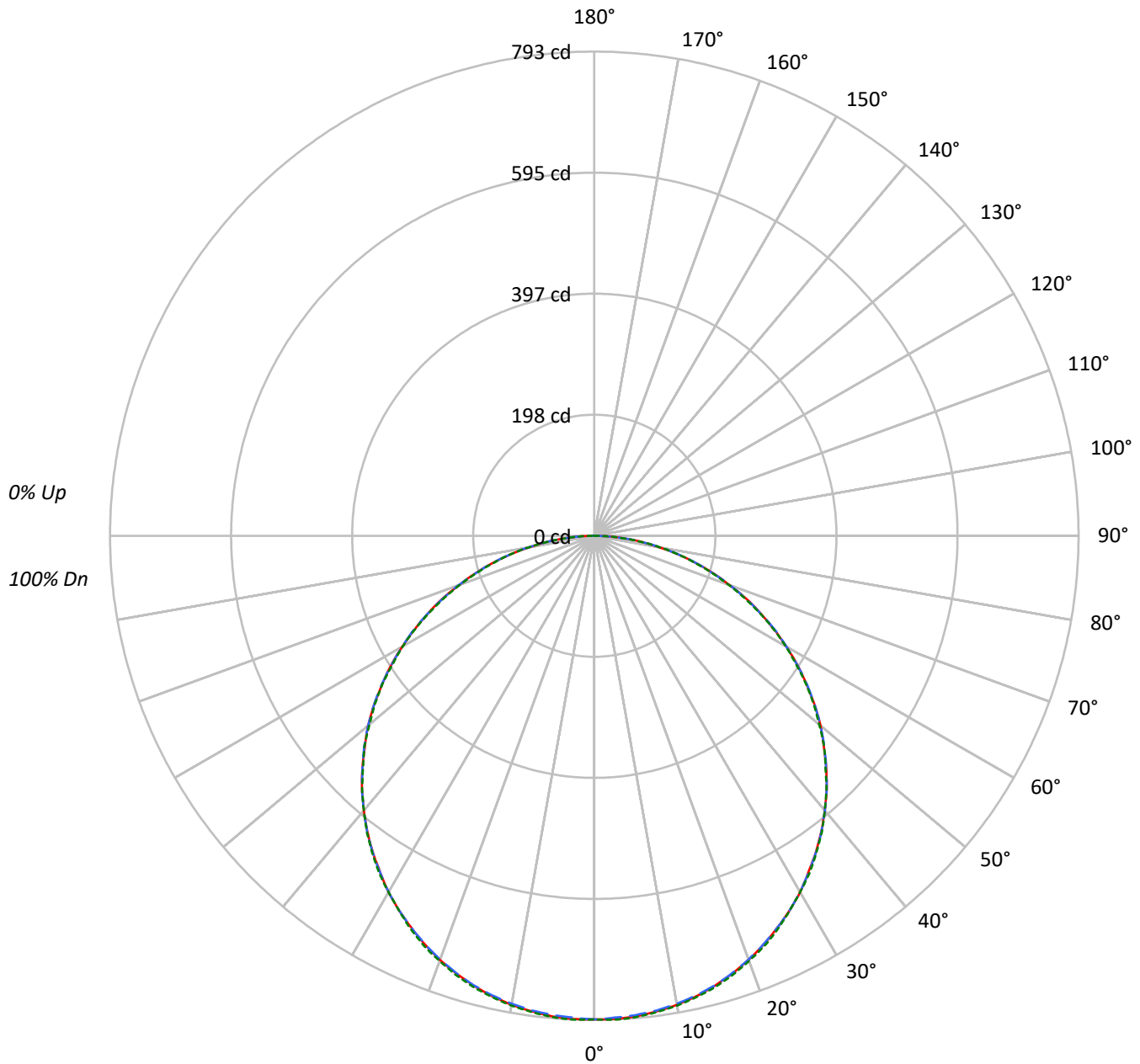
Lumens per Lamp: N/A
Luminaire Lumens: 2342.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
Input Voltage (V): NR
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	2132	2132	2132
5°	2134	2128	2138
10°	2131	2126	2135
15°	2125	2124	2132
20°	2117	2115	2122
25°	2104	2104	2111
30°	2094	2093	2094
35°	2078	2079	2082
40°	2062	2062	2062
45°	2043	2042	2037
50°	2024	2024	2012
55°	1989	1994	1986
60°	1953	1953	1949
65°	1911	1910	1898
70°	1849	1858	1838
75°	1790	1794	1770
80°	1664	1691	1691
85°	1568	1550	1522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	3.2
10°-20°	215.5	9.2
20°-30°	327.1	14.0
30°-40°	396.1	16.9
40°-50°	414.4	17.7
50°-60°	379.5	16.2
60°-70°	296.8	12.7
70°-80°	181.5	7.8
80°-90°	55.9	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°	617.7	26.4
0°-40°	1013.8	43.3
0°-60°	1807.7	77.2
0°-90°	2342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	792	792	792	792	792	
5°	790	790	788	790	791	75
15°	763	763	762	764	765	215
25°	709	710	709	710	711	327
35°	633	633	633	634	634	396
45°	537	538	537	537	535	414
55°	424	427	425	424	423	380
65°	300	302	300	299	298	297
75°	172	171	172	171	170	181
85°	51	49	50	49	49	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	792.2	792.2	792.2	792.2	792.2
2.5°	792.2	792.2	789.9	792.8	793.4
5°	790.1	790.1	787.8	790.4	791.3
7.5°	785.7	786.0	784.0	786.6	786.9
10°	779.9	780.2	778.1	781.1	781.3
12.5°	772.5	772.8	771.1	773.7	774.0
15°	762.9	763.4	762.3	764.3	765.2
17.5°	751.7	752.6	751.1	753.8	754.1
20°	739.1	739.4	738.5	740.6	741.1
22.5°	724.7	725.6	724.1	726.8	727.6
25°	708.6	710.0	708.6	710.3	710.9
27.5°	692.1	693.3	692.1	693.0	692.4
30°	674.0	674.2	673.7	674.0	674.0
32.5°	652.8	654.0	653.4	654.9	655.5
35°	632.6	632.9	632.9	633.8	633.8
37.5°	610.6	610.6	610.9	611.8	611.8
40°	587.1	587.7	587.1	587.7	587.1
42.5°	563.3	563.0	563.3	563.6	562.8
45°	536.9	537.8	536.6	536.6	535.2
47.5°	509.6	511.4	511.1	510.2	510.5
50°	483.5	484.1	483.5	482.7	480.6
52.5°	454.5	456.2	454.8	455.1	452.7
55°	424.0	426.9	425.1	424.0	423.4
57.5°	394.9	395.8	394.0	392.6	391.7
60°	362.9	364.1	362.9	361.8	362.1
62.5°	331.6	333.3	333.6	331.3	330.7
65°	300.2	301.6	299.9	298.7	298.1
67.5°	269.6	269.3	267.9	266.4	265.8
70°	235.0	237.1	236.2	236.5	233.6
72.5°	204.2	204.5	203.6	203.6	201.3
75°	172.2	171.3	172.5	171.3	170.2
77.5°	140.5	141.4	141.1	139.7	140.8
80°	107.4	108.6	109.1	108.0	109.1
82.5°	79.5	79.5	79.2	79.2	78.3
85°	50.8	49.0	50.2	49.0	49.3
87.5°	23.2	22.9	21.7	22.6	22.3
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)