

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: P568338

Luminaire Tested: **14CGTX-30-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568338
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-L950
Description: 1X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

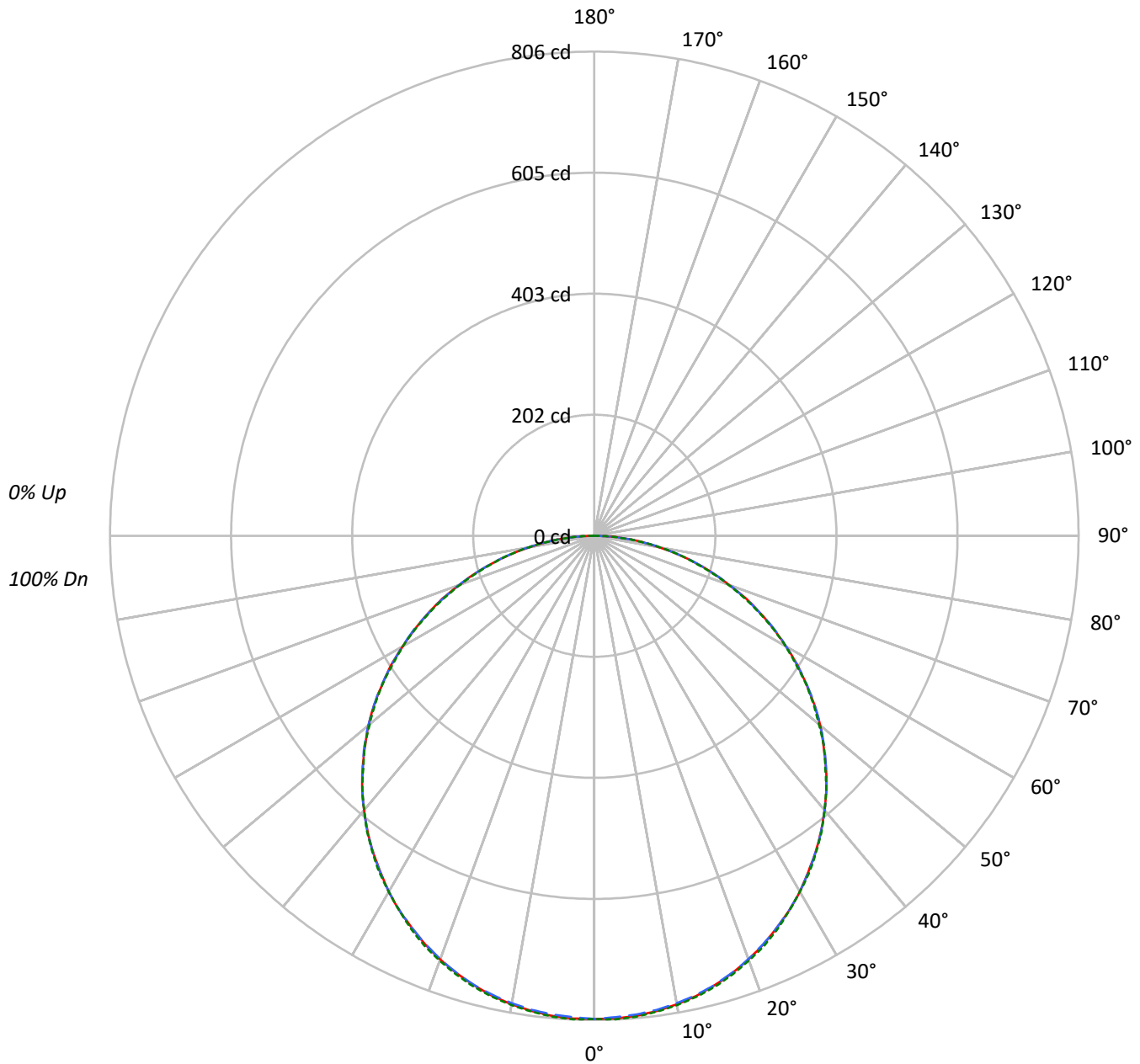
Lumens per Lamp: N/A
Luminaire Lumens: 2378.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2165	2165	2165
5°	2167	2161	2170
10°	2164	2159	2168
15°	2158	2156	2165
20°	2149	2147	2155
25°	2136	2136	2143
30°	2126	2125	2126
35°	2110	2111	2114
40°	2094	2094	2094
45°	2075	2074	2068
50°	2056	2056	2043
55°	2020	2025	2017
60°	1983	1983	1978
65°	1941	1939	1927
70°	1877	1887	1865
75°	1818	1822	1797
80°	1689	1717	1717
85°	1590	1572	1547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	3.2
10°-20°	218.8	9.2
20°-30°	332.2	14.0
30°-40°	402.2	16.9
40°-50°	420.8	17.7
50°-60°	385.4	16.2
60°-70°	301.4	12.7
70°-80°	184.3	7.8
80°-90°	56.7	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°	627.2	26.4
0°-40°	1029.4	43.3
0°-60°	1835.6	77.2
0°-90°	2378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	802	802	800	803	804	76
15°	775	775	774	776	777	219
25°	720	721	720	721	722	332
35°	642	643	643	644	644	402
45°	545	546	545	545	543	421
55°	430	434	432	430	430	385
65°	305	306	304	303	303	302
75°	175	174	175	174	173	184
85°	52	50	51	50	50	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.4	804.4	804.4	804.4	804.4
2.5°	804.4	804.4	802.0	805.0	805.6
5°	802.3	802.3	799.9	802.6	803.5
7.5°	797.8	798.1	796.0	798.7	799.0
10°	791.9	792.2	790.1	793.1	793.4
12.5°	784.4	784.7	782.9	785.6	785.9
15°	774.6	775.2	774.0	776.1	777.0
17.5°	763.3	764.2	762.7	765.3	765.6
20°	750.5	750.8	749.9	751.9	752.5
22.5°	735.9	736.7	735.3	737.9	738.8
25°	719.5	721.0	719.5	721.3	721.9
27.5°	702.8	704.0	702.8	703.7	703.1
30°	684.3	684.6	684.0	684.3	684.3
32.5°	662.9	664.1	663.5	665.0	665.5
35°	642.3	642.6	642.6	643.5	643.5
37.5°	620.0	620.0	620.3	621.2	621.2
40°	596.1	596.7	596.1	596.7	596.1
42.5°	572.0	571.7	572.0	572.3	571.4
45°	545.2	546.1	544.9	544.9	543.4
47.5°	517.5	519.3	519.0	518.1	518.4
50°	491.0	491.6	491.0	490.1	488.0
52.5°	461.5	463.3	461.8	462.1	459.7
55°	430.5	433.5	431.7	430.5	429.9
57.5°	401.0	401.9	400.1	398.6	397.7
60°	368.5	369.7	368.5	367.3	367.6
62.5°	336.6	338.4	338.7	336.3	335.8
65°	304.8	306.3	304.5	303.3	302.7
67.5°	273.8	273.5	272.0	270.5	269.9
70°	238.6	240.7	239.8	240.1	237.1
72.5°	207.4	207.6	206.8	206.8	204.4
75°	174.9	174.0	175.2	174.0	172.8
77.5°	142.7	143.6	143.3	141.8	143.0
80°	109.0	110.2	110.8	109.6	110.8
82.5°	80.7	80.7	80.4	80.4	79.5
85°	51.5	49.8	50.9	49.8	50.1
87.5°	23.5	23.2	22.0	22.9	22.6
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)