

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: P568320

Luminaire Tested: **14CGTX-30-L930**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568320
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-L930
Description: 1X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

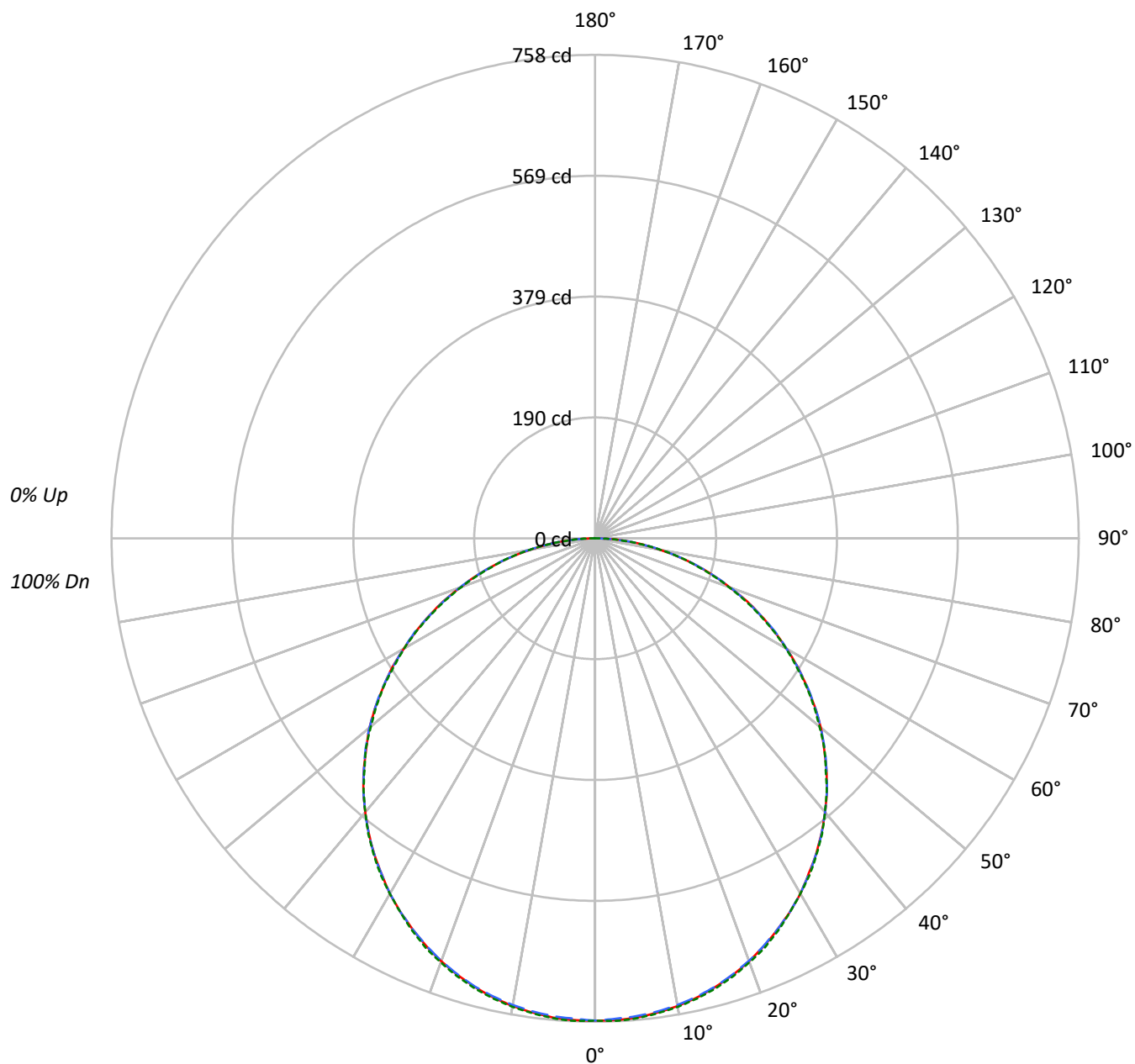
Lumens per Lamp: N/A
Luminaire Lumens: 2236.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2035	2035	2035
5°	2038	2032	2041
10°	2035	2030	2038
15°	2029	2028	2035
20°	2021	2019	2026
25°	2009	2009	2015
30°	2000	1999	2000
35°	1984	1985	1988
40°	1969	1969	1969
45°	1951	1950	1945
50°	1933	1933	1921
55°	1899	1904	1896
60°	1865	1865	1861
65°	1825	1823	1812
70°	1766	1774	1755
75°	1709	1712	1690
80°	1588	1615	1615
85°	1497	1479	1454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	3.2
10°-20°	205.7	9.2
20°-30°	312.3	14.0
30°-40°	378.2	16.9
40°-50°	395.6	17.7
50°-60°	362.4	16.2
60°-70°	283.4	12.7
70°-80°	173.3	7.8
80°-90°	53.4	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°	589.7	26.4
0°-40°	967.9	43.3
0°-60°	1725.9	77.2
0°-90°	2236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	756	756	756	756	756	
5°	754	754	752	755	756	72
15°	728	729	728	730	731	206
25°	676	678	676	678	679	312
35°	604	604	604	605	605	378
45°	513	514	512	512	511	395
55°	405	408	406	405	404	362
65°	287	288	286	285	285	284
75°	164	164	165	164	162	173
85°	48	47	48	47	47	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	756.3	756.3	756.3	756.3	756.3
2.5°	756.3	756.3	754.1	756.9	757.5
5°	754.4	754.4	752.1	754.7	755.5
7.5°	750.2	750.5	748.5	751.0	751.3
10°	744.6	744.9	742.9	745.7	746.0
12.5°	737.6	737.9	736.2	738.7	739.0
15°	728.3	728.9	727.8	729.7	730.6
17.5°	717.7	718.5	717.1	719.6	719.9
20°	705.6	705.9	705.1	707.0	707.6
22.5°	691.9	692.8	691.4	693.9	694.7
25°	676.5	677.9	676.5	678.2	678.7
27.5°	660.8	661.9	660.8	661.7	661.1
30°	643.5	643.7	643.2	643.5	643.5
32.5°	623.3	624.4	623.8	625.2	625.8
35°	604.0	604.2	604.2	605.1	605.1
37.5°	582.9	582.9	583.2	584.1	584.1
40°	560.5	561.1	560.5	561.1	560.5
42.5°	537.8	537.6	537.8	538.1	537.3
45°	512.6	513.5	512.4	512.4	511.0
47.5°	486.6	488.3	488.0	487.1	487.4
50°	461.7	462.2	461.7	460.8	458.8
52.5°	433.9	435.6	434.2	434.5	432.2
55°	404.8	407.6	405.9	404.8	404.2
57.5°	377.1	377.9	376.2	374.8	374.0
60°	346.5	347.6	346.5	345.4	345.7
62.5°	316.5	318.2	318.5	316.3	315.7
65°	286.6	288.0	286.3	285.2	284.6
67.5°	257.4	257.2	255.8	254.4	253.8
70°	224.4	226.3	225.5	225.8	223.0
72.5°	195.0	195.2	194.4	194.4	192.2
75°	164.4	163.6	164.7	163.6	162.5
77.5°	134.2	135.0	134.7	133.3	134.5
80°	102.5	103.6	104.2	103.1	104.2
82.5°	75.9	75.9	75.6	75.6	74.8
85°	48.5	46.8	47.9	46.8	47.1
87.5°	22.1	21.8	20.7	21.6	21.3
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)