

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: P568317

Luminaire Tested: **14CGTX-30-L830**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568317
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-L830
Description: 1X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

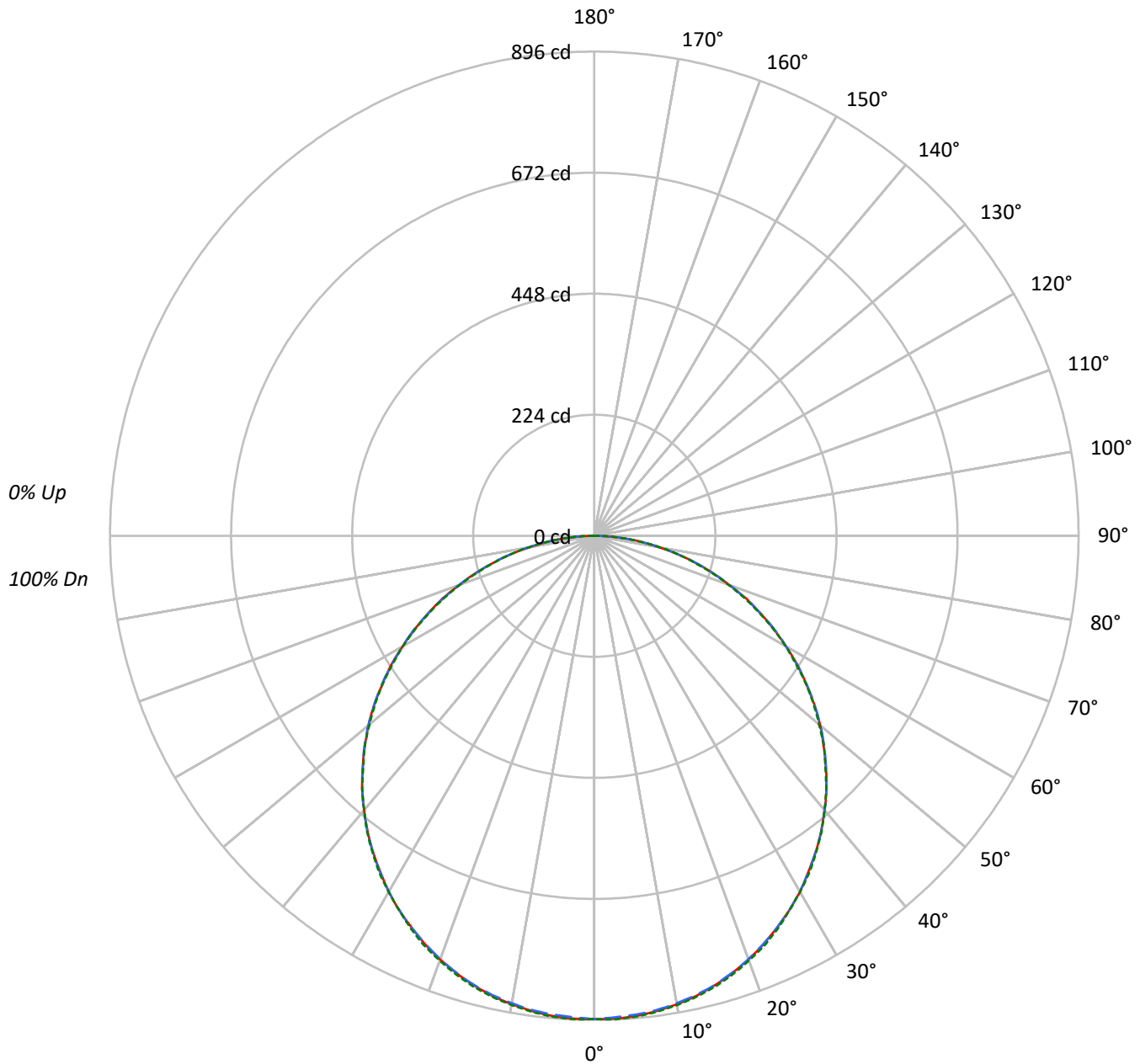
Lumens per Lamp: N/A
Luminaire Lumens: 2644.0 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P568317

CATALOG NUMBER: 14CGTX-30-L830

Luminous Intensity Polar Plot





TEST NUMBER: P568317

CATALOG NUMBER: 14CGTX-30-L830

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°	2407	2407	2407
5°	2410	2402	2413
10°	2406	2400	2410
15°	2399	2398	2407
20°	2389	2387	2396
25°	2375	2375	2383
30°	2364	2363	2364
35°	2346	2347	2350
40°	2328	2328	2328
45°	2307	2305	2299
50°	2285	2285	2272
55°	2245	2252	2243
60°	2205	2205	2200
65°	2158	2155	2143
70°	2087	2098	2075
75°	2021	2025	1997
80°	1878	1909	1909
85°	1769	1748	1717



TEST NUMBER: P568317

CATALOG NUMBER: 14CGTX-30-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	3.2
10°-20°	243.3	9.2
20°-30°	369.3	14.0
30°-40°	447.2	16.9
40°-50°	467.8	17.7
50°-60°	428.5	16.2
60°-70°	335.1	12.7
70°-80°	204.9	7.8
80°-90°	63.1	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°	697.3	26.4
0°-40°	1144.5	43.3
0°-60°	2040.8	77.2
0°-90°	2644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	894	894	894	894	894	
5°	892	892	889	892	893	85
15°	861	862	861	863	864	243
25°	800	802	800	802	803	369
35°	714	714	714	716	716	447
45°	606	607	606	606	604	468
55°	479	482	480	479	478	428
65°	339	340	338	337	336	335
75°	194	193	195	193	192	205
85°	57	55	57	55	56	64
90°	0	0	0	0	0	



TEST NUMBER: P568317

CATALOG NUMBER: 14CGTX-30-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	894.4	894.4	894.4	894.4	894.4
2.5°	894.4	894.4	891.7	895.0	895.7
5°	892.0	892.0	889.4	892.4	893.4
7.5°	887.1	887.4	885.1	888.1	888.4
10°	880.4	880.8	878.5	881.8	882.1
12.5°	872.2	872.5	870.5	873.5	873.8
15°	861.2	861.9	860.6	862.9	863.9
17.5°	848.6	849.6	848.0	851.0	851.3
20°	834.4	834.7	833.7	836.1	836.7
22.5°	818.2	819.2	817.5	820.5	821.5
25°	799.9	801.6	799.9	801.9	802.6
27.5°	781.4	782.7	781.4	782.4	781.7
30°	760.9	761.2	760.5	760.9	760.9
32.5°	737.0	738.3	737.7	739.3	740.0
35°	714.2	714.5	714.5	715.5	715.5
37.5°	689.3	689.3	689.6	690.6	690.6
40°	662.8	663.5	662.8	663.5	662.8
42.5°	636.0	635.7	636.0	636.3	635.3
45°	606.2	607.2	605.8	605.8	604.2
47.5°	575.4	577.4	577.0	576.0	576.4
50°	545.9	546.5	545.9	544.9	542.6
52.5°	513.1	515.1	513.4	513.8	511.1
55°	478.6	482.0	480.0	478.6	478.0
57.5°	445.9	446.8	444.9	443.2	442.2
60°	409.7	411.1	409.7	408.4	408.8
62.5°	374.3	376.3	376.6	374.0	373.3
65°	338.9	340.5	338.5	337.2	336.5
67.5°	304.4	304.1	302.4	300.8	300.1
70°	265.3	267.6	266.6	267.0	263.7
72.5°	230.5	230.9	229.9	229.9	227.2
75°	194.4	193.4	194.8	193.4	192.1
77.5°	158.7	159.7	159.3	157.7	159.0
80°	121.2	122.6	123.2	121.9	123.2
82.5°	89.8	89.8	89.4	89.4	88.4
85°	57.3	55.3	56.6	55.3	55.6
87.5°	26.2	25.8	24.5	25.5	25.2
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)