

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: P568321

Luminaire Tested: **14CGTX-42-L930**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568321
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-42-L930
Description: 1X4 4200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

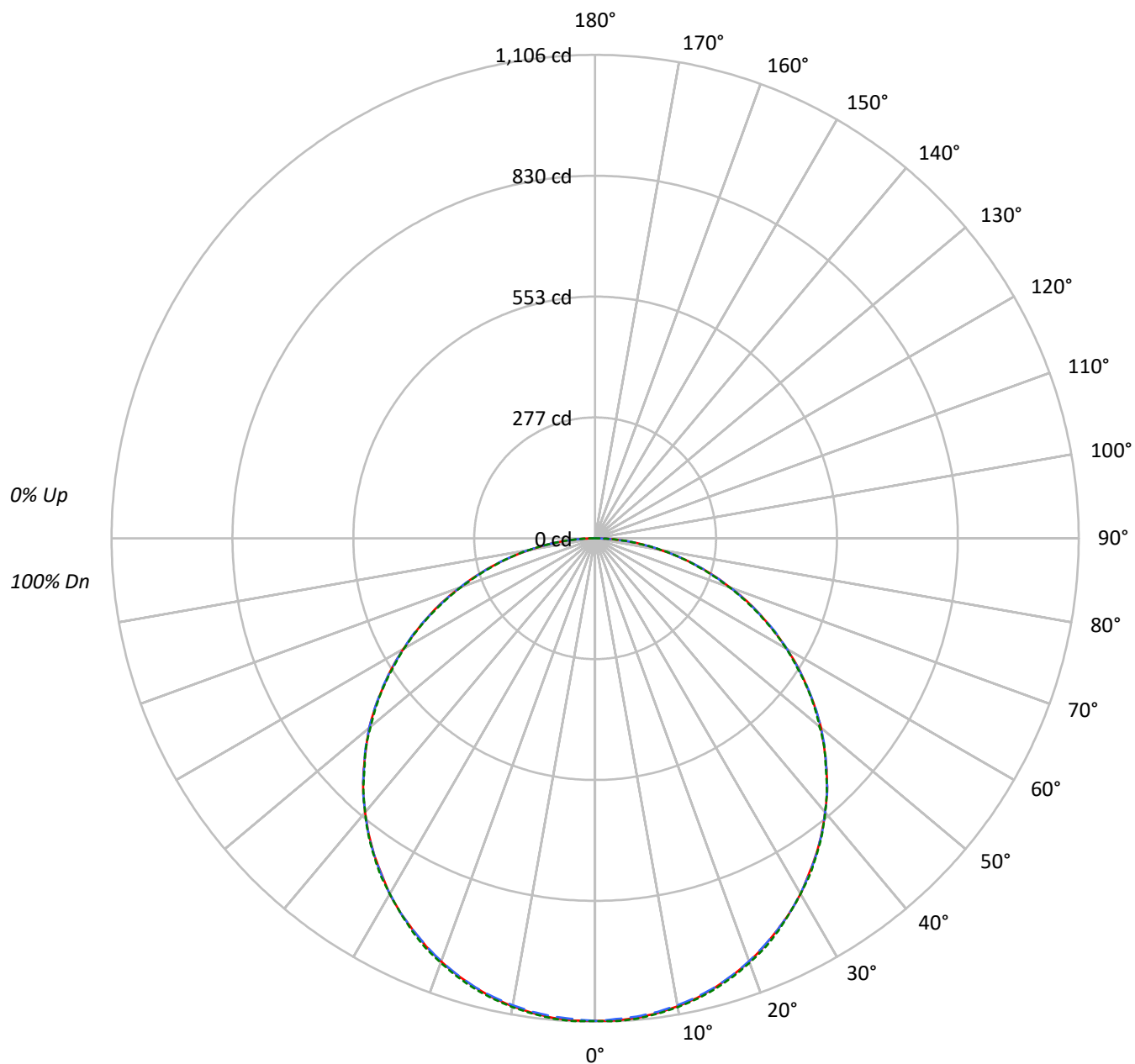
Lumens per Lamp: N/A
Luminaire Lumens: 3265.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
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

TEST NUMBER: P568321

CATALOG NUMBER: 14CGTX-42-L930

Luminous Intensity Polar Plot





TEST NUMBER: P568321

CATALOG NUMBER: 14CGTX-42-L930

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°	2972	2972	2972
5°	2975	2967	2980
10°	2971	2964	2977
15°	2963	2961	2972
20°	2951	2948	2959
25°	2933	2933	2943
30°	2920	2918	2920
35°	2897	2898	2902
40°	2875	2875	2875
45°	2849	2847	2839
50°	2822	2822	2805
55°	2773	2781	2769
60°	2723	2723	2717
65°	2664	2662	2646
70°	2578	2591	2562
75°	2496	2501	2466
80°	2320	2359	2359
85°	2186	2158	2121



TEST NUMBER: P568321

CATALOG NUMBER: 14CGTX-42-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	3.2
10°-20°	300.4	9.2
20°-30°	456.1	14.0
30°-40°	552.3	16.9
40°-50°	577.7	17.7
50°-60°	529.1	16.2
60°-70°	413.8	12.7
70°-80°	253.1	7.8
80°-90°	77.9	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°	861.1	26.4
0°-40°	1413.4	43.3
0°-60°	2520.2	77.2
0°-90°	3265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1102	1102	1098	1102	1103	105
15°	1064	1064	1063	1066	1067	300
25°	988	990	988	990	991	456
35°	882	882	882	884	884	552
45°	748	750	748	748	746	577
55°	591	595	593	591	590	529
65°	418	420	418	416	416	414
75°	240	239	240	239	237	253
85°	71	68	70	68	69	79
90°	0	0	0	0	0	



TEST NUMBER: P568321

CATALOG NUMBER: 14CGTX-42-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1104.4	1104.4	1104.4	1104.4	1104.4
2.5°	1104.4	1104.4	1101.1	1105.2	1106.0
5°	1101.5	1101.5	1098.3	1102.0	1103.2
7.5°	1095.4	1095.8	1093.0	1096.6	1097.0
10°	1087.2	1087.6	1084.8	1088.9	1089.3
12.5°	1077.0	1077.4	1075.0	1078.6	1079.1
15°	1063.5	1064.3	1062.7	1065.6	1066.8
17.5°	1048.0	1049.2	1047.1	1050.8	1051.2
20°	1030.4	1030.8	1029.6	1032.4	1033.2
22.5°	1010.3	1011.6	1009.5	1013.2	1014.4
25°	987.8	989.9	987.8	990.3	991.1
27.5°	964.9	966.6	964.9	966.2	965.3
30°	939.6	940.0	939.2	939.6	939.6
32.5°	910.1	911.8	910.9	913.0	913.8
35°	881.9	882.3	882.3	883.5	883.5
37.5°	851.2	851.2	851.6	852.9	852.9
40°	818.5	819.3	818.5	819.3	818.5
42.5°	785.4	785.0	785.4	785.8	784.5
45°	748.5	749.8	748.1	748.1	746.1
47.5°	710.5	713.0	712.5	711.3	711.7
50°	674.1	674.9	674.1	672.9	670.0
52.5°	633.6	636.1	634.0	634.4	631.2
55°	591.1	595.2	592.7	591.1	590.2
57.5°	550.6	551.8	549.3	547.3	546.1
60°	506.0	507.6	506.0	504.3	504.8
62.5°	462.2	464.7	465.1	461.8	461.0
65°	418.4	420.5	418.0	416.4	415.6
67.5°	375.9	375.5	373.5	371.4	370.6
70°	327.6	330.5	329.3	329.7	325.6
72.5°	284.7	285.1	283.9	283.9	280.6
75°	240.1	238.9	240.5	238.9	237.2
77.5°	195.9	197.2	196.7	194.7	196.3
80°	149.7	151.3	152.2	150.5	152.2
82.5°	110.9	110.9	110.4	110.4	109.2
85°	70.8	68.3	69.9	68.3	68.7
87.5°	32.3	31.9	30.3	31.5	31.1
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)