

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: P568339

Luminaire Tested: **14CGTX-42-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568339
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-L950
Description: 1X4 4200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

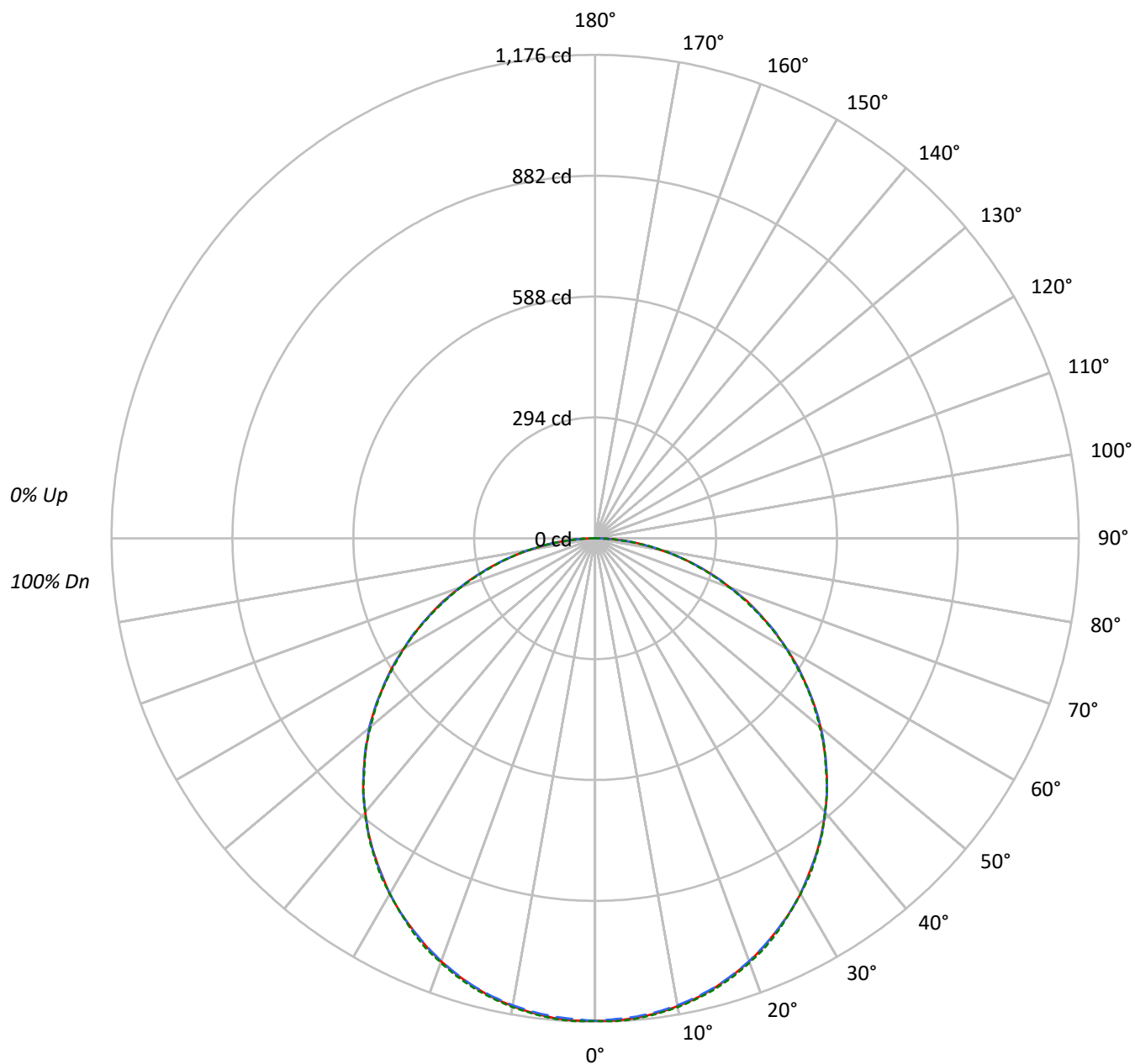
Lumens per Lamp: N/A
Luminaire Lumens: 3471.0 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
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: P568339

CATALOG NUMBER: 14CGTX-42-L950

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	68		
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°	3159	3159	3159
5°	3163	3154	3168
10°	3158	3151	3164
15°	3150	3147	3159
20°	3137	3134	3145
25°	3118	3118	3128
30°	3104	3102	3104
35°	3080	3081	3086
40°	3057	3057	3057
45°	3029	3027	3019
50°	3000	3000	2982
55°	2948	2956	2944
60°	2895	2895	2888
65°	2833	2830	2813
70°	2740	2755	2723
75°	2654	2659	2622
80°	2467	2507	2507
85°	2322	2297	2257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	3.2
10°-20°	319.3	9.2
20°-30°	484.8	14.0
30°-40°	587.1	16.9
40°-50°	614.1	17.7
50°-60°	562.5	16.2
60°-70°	439.9	12.7
70°-80°	269.1	7.8
80°-90°	82.9	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°	915.4	26.4
0°-40°	1502.5	43.3
0°-60°	2679.2	77.2
0°-90°	3471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1171	1171	1168	1172	1173	111
15°	1131	1132	1130	1133	1134	319
25°	1050	1052	1050	1053	1054	484
35°	938	938	938	939	939	586
45°	796	797	795	795	793	614
55°	628	633	630	628	628	562
65°	445	447	444	443	442	440
75°	255	254	256	254	252	269
85°	75	73	74	73	73	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1174.1	1174.1	1174.1	1174.1	1174.1
2.5°	1174.1	1174.1	1170.6	1175.0	1175.8
5°	1171.0	1171.0	1167.6	1171.5	1172.8
7.5°	1164.5	1165.0	1161.9	1165.8	1166.3
10°	1155.8	1156.3	1153.2	1157.6	1158.0
12.5°	1145.0	1145.4	1142.8	1146.7	1147.1
15°	1130.6	1131.5	1129.7	1132.8	1134.1
17.5°	1114.1	1115.4	1113.2	1117.1	1117.6
20°	1095.4	1095.8	1094.5	1097.6	1098.4
22.5°	1074.1	1075.4	1073.2	1077.1	1078.4
25°	1050.2	1052.3	1050.2	1052.8	1053.6
27.5°	1025.8	1027.5	1025.8	1027.1	1026.2
30°	998.8	999.3	998.4	998.8	998.8
32.5°	967.5	969.3	968.4	970.6	971.5
35°	937.5	938.0	938.0	939.3	939.3
37.5°	904.9	904.9	905.4	906.7	906.7
40°	870.1	871.0	870.1	871.0	870.1
42.5°	834.9	834.5	834.9	835.3	834.0
45°	795.8	797.1	795.3	795.3	793.2
47.5°	755.3	757.9	757.5	756.2	756.6
50°	716.6	717.5	716.6	715.3	712.3
52.5°	673.6	676.2	674.0	674.5	671.0
55°	628.4	632.7	630.1	628.4	627.5
57.5°	585.3	586.6	584.0	581.8	580.5
60°	537.9	539.6	537.9	536.2	536.6
62.5°	491.4	494.0	494.4	490.9	490.1
65°	444.9	447.0	444.4	442.7	441.8
67.5°	399.6	399.2	397.0	394.8	394.0
70°	348.3	351.4	350.1	350.5	346.1
72.5°	302.7	303.1	301.8	301.8	298.3
75°	255.3	254.0	255.7	254.0	252.2
77.5°	208.3	209.6	209.2	207.0	208.7
80°	159.2	160.9	161.8	160.0	161.8
82.5°	117.8	117.8	117.4	117.4	116.1
85°	75.2	72.6	74.4	72.6	73.1
87.5°	34.4	33.9	32.2	33.5	33.0
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)