

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: P568303

Luminaire Tested: **14CGTX-42HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568303
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-42HE-L940
Description: 1X4 4200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

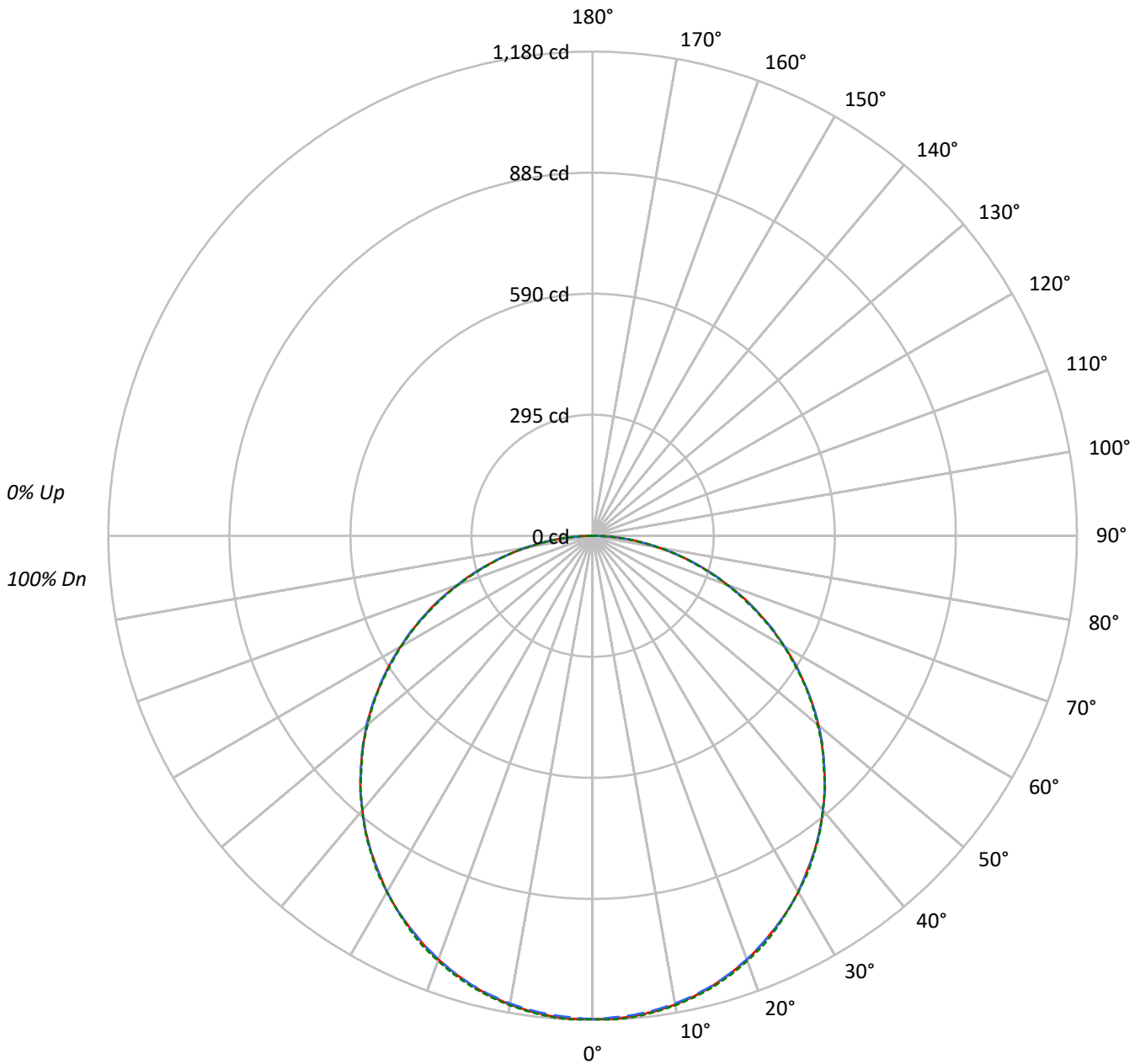
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3483.0 lumens
Efficiency: N/A
Efficacy: 109.2 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): 31.9
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

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
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°	3171	3171	3171
5°	3174	3165	3179
10°	3169	3162	3175
15°	3161	3158	3170
20°	3148	3145	3156
25°	3129	3129	3139
30°	3114	3113	3114
35°	3091	3092	3096
40°	3067	3067	3067
45°	3039	3037	3029
50°	3010	3010	2992
55°	2958	2966	2954
60°	2905	2905	2898
65°	2842	2840	2823
70°	2750	2764	2733
75°	2663	2668	2632
80°	2475	2515	2515
85°	2331	2303	2263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	3.2
10°-20°	320.4	9.2
20°-30°	486.5	14.0
30°-40°	589.1	16.9
40°-50°	616.3	17.7
50°-60°	564.4	16.2
60°-70°	441.5	12.7
70°-80°	270.0	7.8
80°-90°	83.2	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°	918.6	26.4
0°-40°	1507.7	43.3
0°-60°	2688.4	77.2
0°-90°	3483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3483.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1178	1178	1178	1178	1178	
5°	1175	1175	1172	1176	1177	112
15°	1134	1135	1134	1137	1138	320
25°	1054	1056	1054	1056	1057	486
35°	941	941	941	942	942	589
45°	798	800	798	798	796	616
55°	630	635	632	630	630	564
65°	446	449	446	444	443	442
75°	256	255	257	255	253	270
85°	76	73	75	73	73	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1178.2	1178.2	1178.2	1178.2	1178.2
2.5°	1178.2	1178.2	1174.7	1179.0	1179.9
5°	1175.1	1175.1	1171.6	1175.5	1176.8
7.5°	1168.6	1169.0	1165.9	1169.9	1170.3
10°	1159.8	1160.3	1157.2	1161.6	1162.0
12.5°	1148.9	1149.4	1146.7	1150.7	1151.1
15°	1134.5	1135.4	1133.6	1136.7	1138.0
17.5°	1117.9	1119.2	1117.1	1121.0	1121.4
20°	1099.2	1099.6	1098.3	1101.4	1102.2
22.5°	1077.8	1079.1	1076.9	1080.8	1082.2
25°	1053.8	1056.0	1053.8	1056.4	1057.3
27.5°	1029.4	1031.1	1029.4	1030.7	1029.8
30°	1002.3	1002.7	1001.9	1002.3	1002.3
32.5°	970.9	972.6	971.8	973.9	974.8
35°	940.8	941.2	941.2	942.5	942.5
37.5°	908.0	908.0	908.5	909.8	909.8
40°	873.1	874.0	873.1	874.0	873.1
42.5°	837.8	837.4	837.8	838.2	836.9
45°	798.5	799.8	798.1	798.1	795.9
47.5°	757.9	760.6	760.1	758.8	759.3
50°	719.1	720.0	719.1	717.8	714.7
52.5°	675.9	678.5	676.3	676.8	673.3
55°	630.5	634.9	632.3	630.5	629.7
57.5°	587.3	588.6	586.0	583.8	582.5
60°	539.8	541.5	539.8	538.0	538.5
62.5°	493.1	495.7	496.1	492.6	491.8
65°	446.4	448.6	446.0	444.2	443.3
67.5°	401.0	400.6	398.4	396.2	395.3
70°	349.5	352.6	351.3	351.7	347.3
72.5°	303.7	304.1	302.8	302.8	299.3
75°	256.1	254.8	256.6	254.8	253.1
77.5°	209.0	210.3	209.9	207.7	209.4
80°	159.7	161.5	162.3	160.6	162.3
82.5°	118.3	118.3	117.8	117.8	116.5
85°	75.5	72.9	74.6	72.9	73.3
87.5°	34.5	34.0	32.3	33.6	33.2
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)