

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: P568313

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

Issue Date: 9/19/2022

**Test Information**

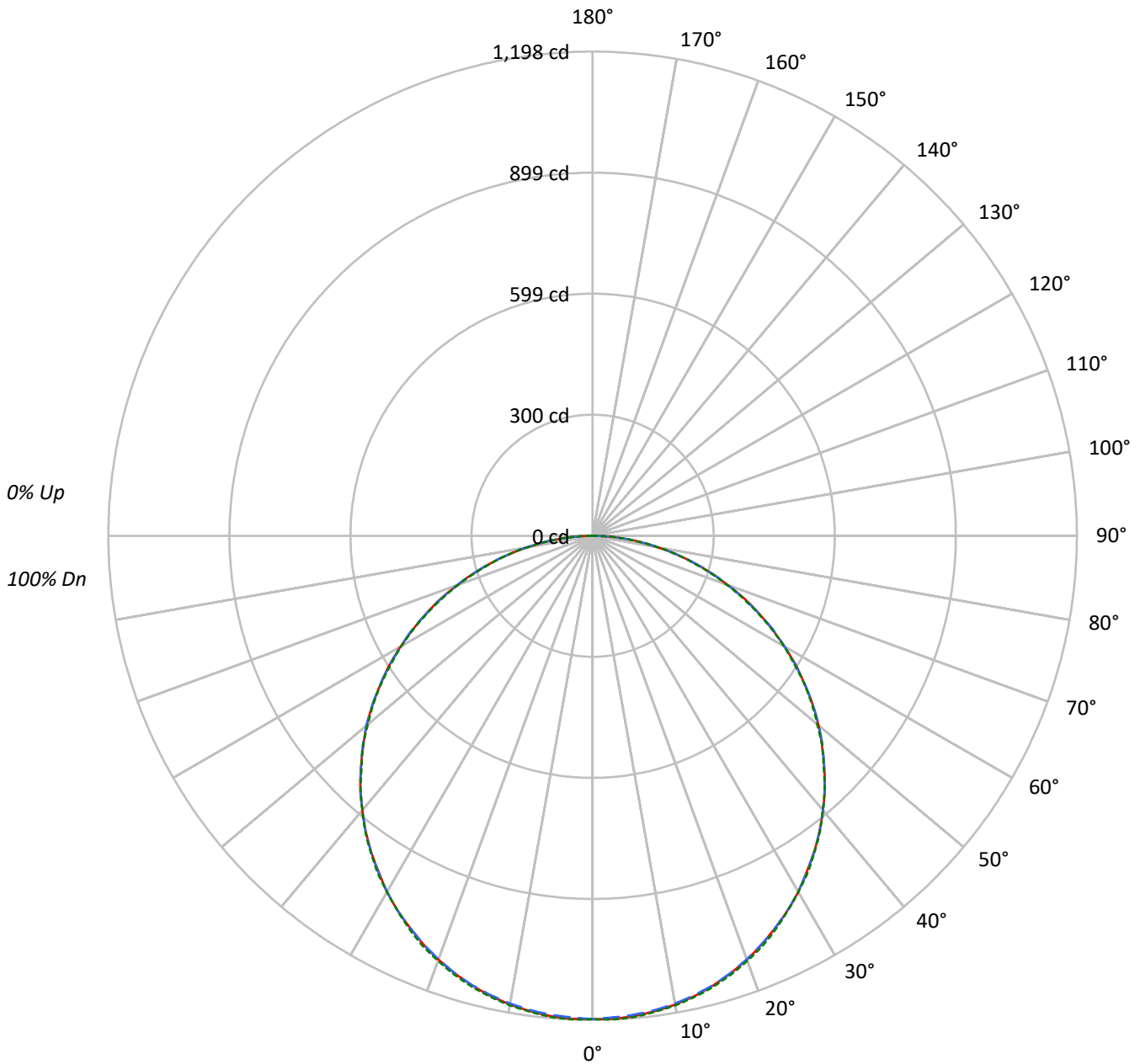
Test Method: LM-79-08  
Report Number: P568313  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTX-42HE-L950  
Description: 1X4 4200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3536.0 lumens  
Efficiency: N/A  
Efficacy: 110.8 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<sub>in</sub>): 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	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°	3219	3219	3219
5°	3223	3213	3227
10°	3218	3210	3224
15°	3209	3206	3219
20°	3196	3193	3204
25°	3176	3176	3187
30°	3162	3160	3162
35°	3138	3139	3143
40°	3114	3114	3114
45°	3085	3083	3075
50°	3057	3057	3038
55°	3003	3012	2999
60°	2949	2949	2942
65°	2886	2883	2866
70°	2792	2806	2774
75°	2703	2708	2671
80°	2512	2554	2554
85°	2365	2340	2297



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	3.2
10°-20°	325.3	9.2
20°-30°	493.9	14.0
30°-40°	598.1	16.9
40°-50°	625.6	17.7
50°-60°	573.0	16.2
60°-70°	448.2	12.7
70°-80°	274.1	7.8
80°-90°	84.4	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°	932.6	26.4
0°-40°	1530.7	43.3
0°-60°	2729.3	77.2
0°-90°	3536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3536.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1196	1196	1196	1196	1196	
5°	1193	1193	1189	1193	1195	113
15°	1152	1153	1151	1154	1155	325
25°	1070	1072	1070	1072	1073	493
35°	955	956	956	957	957	598
45°	811	812	810	810	808	625
55°	640	645	642	640	639	573
65°	453	455	453	451	450	449
75°	260	259	260	259	257	274
85°	77	74	76	74	74	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1196.1	1196.1	1196.1	1196.1	<i>1196.1</i>
2.5°	<i>1196.1</i>	<i>1196.1</i>	<i>1192.5</i>	<i>1197.0</i>	<i>1197.9</i>
5°	1193.0	1193.0	1189.4	1193.4	<i>1194.8</i>
7.5°	1186.3	1186.8	1183.7	1187.7	<i>1188.1</i>
10°	1177.5	1177.9	1174.8	1179.2	<i>1179.7</i>
12.5°	1166.4	1166.8	1164.2	1168.2	<i>1168.6</i>
15°	1151.8	1152.7	1150.9	1154.0	<i>1155.3</i>
17.5°	1134.9	1136.3	1134.1	1138.0	<i>1138.5</i>
20°	1115.9	1116.3	1115.0	1118.1	<i>1119.0</i>
22.5°	1094.2	1095.5	1093.3	1097.3	<i>1098.6</i>
25°	1069.8	1072.0	1069.8	1072.5	<i>1073.4</i>
27.5°	1045.0	1046.8	1045.0	1046.3	<i>1045.5</i>
30°	1017.6	1018.0	1017.1	1017.6	<i>1017.6</i>
32.5°	985.7	987.4	986.5	988.8	<i>989.6</i>
35°	955.1	955.5	955.5	956.9	<i>956.9</i>
37.5°	921.9	921.9	922.3	923.6	<i>923.6</i>
40°	886.4	887.3	886.4	887.3	<i>886.4</i>
42.5°	850.5	850.1	850.5	851.0	<i>849.7</i>
45°	810.7	812.0	810.2	810.2	<i>808.0</i>
47.5°	769.5	772.1	771.7	770.4	<i>770.8</i>
50°	730.1	730.9	730.1	728.7	<i>725.6</i>
52.5°	686.2	688.9	686.6	687.1	<i>683.5</i>
55°	640.1	644.6	641.9	640.1	<i>639.2</i>
57.5°	596.3	597.6	594.9	592.7	<i>591.4</i>
60°	548.0	549.8	548.0	546.2	<i>546.7</i>
62.5°	500.6	503.2	503.7	500.1	<i>499.3</i>
65°	453.2	455.4	452.7	451.0	<i>450.1</i>
67.5°	407.1	406.7	404.5	402.2	<i>401.4</i>
70°	354.8	357.9	356.6	357.1	<i>352.6</i>
72.5°	308.3	308.8	307.4	307.4	<i>303.9</i>
75°	260.0	258.7	260.5	258.7	<i>256.9</i>
77.5°	212.2	213.5	213.1	210.9	<i>212.6</i>
80°	162.1	163.9	164.8	163.0	<i>164.8</i>
82.5°	120.1	120.1	119.6	119.6	<i>118.3</i>
85°	76.6	74.0	75.8	74.0	<i>74.4</i>
87.5°	35.0	34.6	32.8	34.1	<i>33.7</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)