

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: P568279

Luminaire Tested: **14CGTX-70HE-L830**

Issue Date: 9/19/2022

**Test Information**

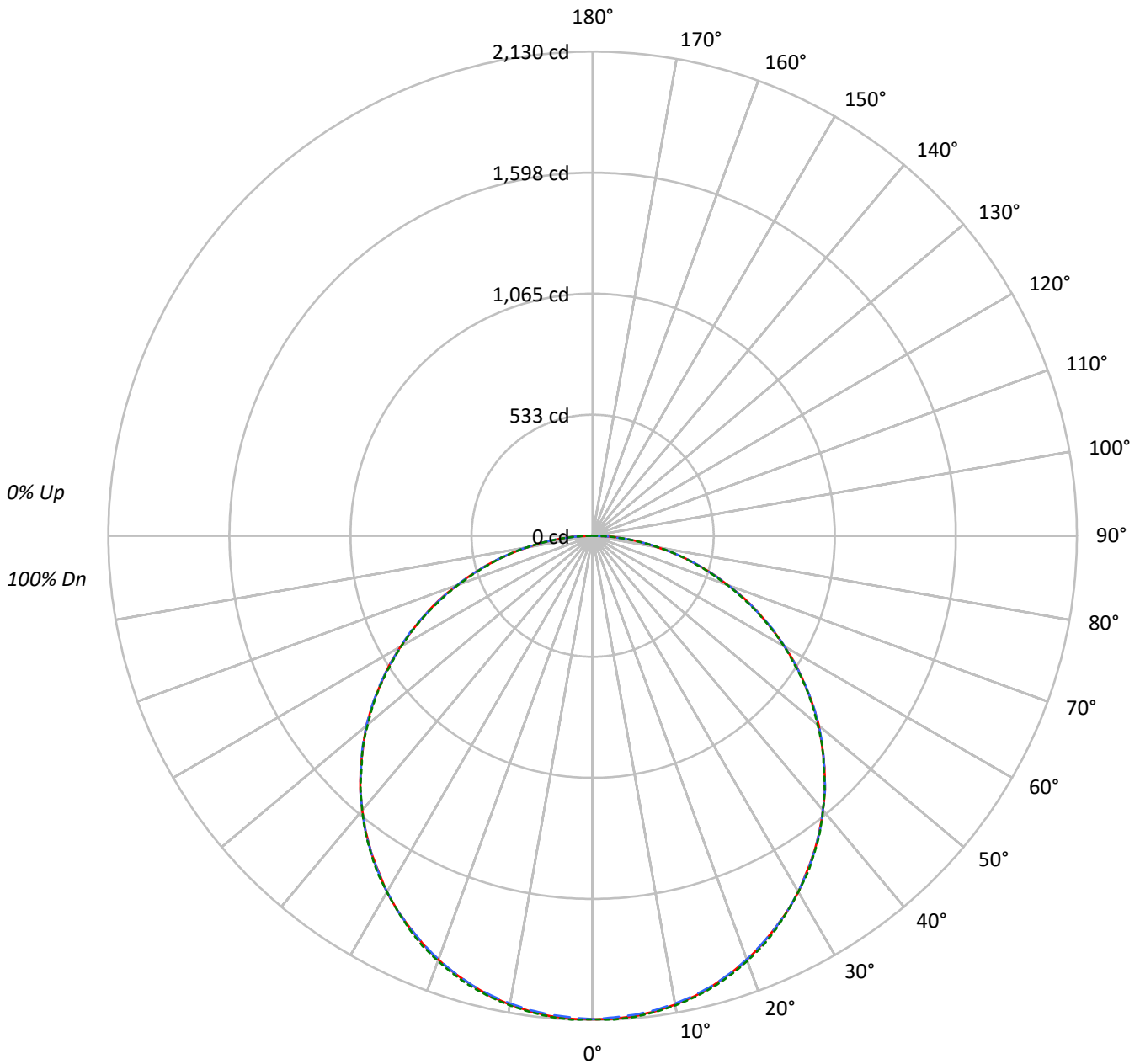
Test Method: LM-79-08  
Report Number: P568279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTX-70HE-L830  
Description: 1X4 7000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6288.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 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): 52.5  
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°	5724	5724	5724
5°	5731	5713	5739
10°	5722	5709	5732
15°	5706	5702	5724
20°	5683	5678	5698
25°	5649	5649	5668
30°	5623	5620	5623
35°	5579	5582	5590
40°	5537	5537	5537
45°	5486	5483	5468
50°	5435	5435	5402
55°	5340	5355	5333
60°	5245	5245	5232
65°	5131	5126	5096
70°	4965	4990	4934
75°	4808	4816	4750
80°	4468	4541	4541
85°	4208	4159	4085



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.6	3.2
10°-20°	578.5	9.2
20°-30°	878.4	14.0
30°-40°	1063.6	16.9
40°-50°	1112.6	17.7
50°-60°	1019.0	16.2
60°-70°	797.0	12.7
70°-80°	487.4	7.8
80°-90°	150.1	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°	1658.4	26.4
0°-40°	2722.0	43.3
0°-60°	4853.6	77.2
0°-90°	6288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2127	2127	2127	2127	2127	
5°	2122	2122	2115	2122	2125	202
15°	2048	2050	2047	2052	2054	578
25°	1902	1906	1902	1907	1909	877
35°	1698	1699	1699	1702	1702	1063
45°	1442	1444	1441	1441	1437	1112
55°	1138	1146	1142	1138	1137	1019
65°	806	810	805	802	800	798
75°	462	460	463	460	457	487
85°	136	132	135	132	132	151
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2127.0	2127.0	2127.0	2127.0	<i>2127.0</i>
2.5°	<i>2127.0</i>	<i>2127.0</i>	<i>2120.7</i>	<i>2128.5</i>	<i>2130.1</i>
5°	2121.5	2121.5	2115.1	2122.2	<i>2124.6</i>
7.5°	2109.6	2110.4	2104.9	2112.0	<i>2112.8</i>
10°	2093.9	2094.7	2089.2	2097.0	<i>2097.8</i>
12.5°	2074.2	2075.0	2070.2	2077.3	<i>2078.1</i>
15°	2048.2	2049.8	2046.6	2052.1	<i>2054.5</i>
17.5°	2018.3	2020.6	2016.7	2023.8	<i>2024.6</i>
20°	1984.4	1985.2	1982.8	1988.3	<i>1989.9</i>
22.5°	1945.8	1948.1	1944.2	1951.3	<i>1953.7</i>
25°	1902.5	1906.4	1902.5	1907.2	<i>1908.8</i>
27.5°	1858.3	1861.5	1858.3	1860.7	<i>1859.1</i>
30°	1809.5	1810.3	1808.7	1809.5	<i>1809.5</i>
32.5°	1752.8	1755.9	1754.4	1758.3	<i>1759.9</i>
35°	1698.4	1699.2	1699.2	1701.6	<i>1701.6</i>
37.5°	1639.3	1639.3	1640.1	1642.5	<i>1642.5</i>
40°	1576.3	1577.9	1576.3	1577.9	<i>1576.3</i>
42.5°	1512.5	1511.7	1512.5	1513.3	<i>1510.9</i>
45°	1441.6	1444.0	1440.8	1440.8	<i>1436.9</i>
47.5°	1368.3	1373.1	1372.3	1369.9	<i>1370.7</i>
50°	1298.2	1299.8	1298.2	1295.9	<i>1290.4</i>
52.5°	1220.2	1225.0	1221.0	1221.8	<i>1215.5</i>
55°	1138.3	1146.2	1141.5	1138.3	<i>1136.7</i>
57.5°	1060.3	1062.7	1058.0	1054.0	<i>1051.7</i>
60°	974.5	977.6	974.5	971.3	<i>972.1</i>
62.5°	890.2	894.9	895.7	889.4	<i>887.8</i>
65°	805.9	809.8	805.1	801.9	<i>800.4</i>
67.5°	724.0	723.2	719.2	715.3	<i>713.7</i>
70°	631.0	636.5	634.2	634.9	<i>627.1</i>
72.5°	548.3	549.1	546.7	546.7	<i>540.4</i>
75°	462.4	460.1	463.2	460.1	<i>456.9</i>
77.5°	377.3	379.7	378.9	375.0	<i>378.1</i>
80°	288.3	291.5	293.0	289.9	<i>293.0</i>
82.5°	213.5	213.5	212.7	212.7	<i>210.3</i>
85°	136.3	131.6	134.7	131.6	<i>132.3</i>
87.5°	62.2	61.4	58.3	60.7	<i>59.9</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)