

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: P568276

Luminaire Tested: **14CGTX-20HE-L830**

Issue Date: 9/19/2022

**Test Information**

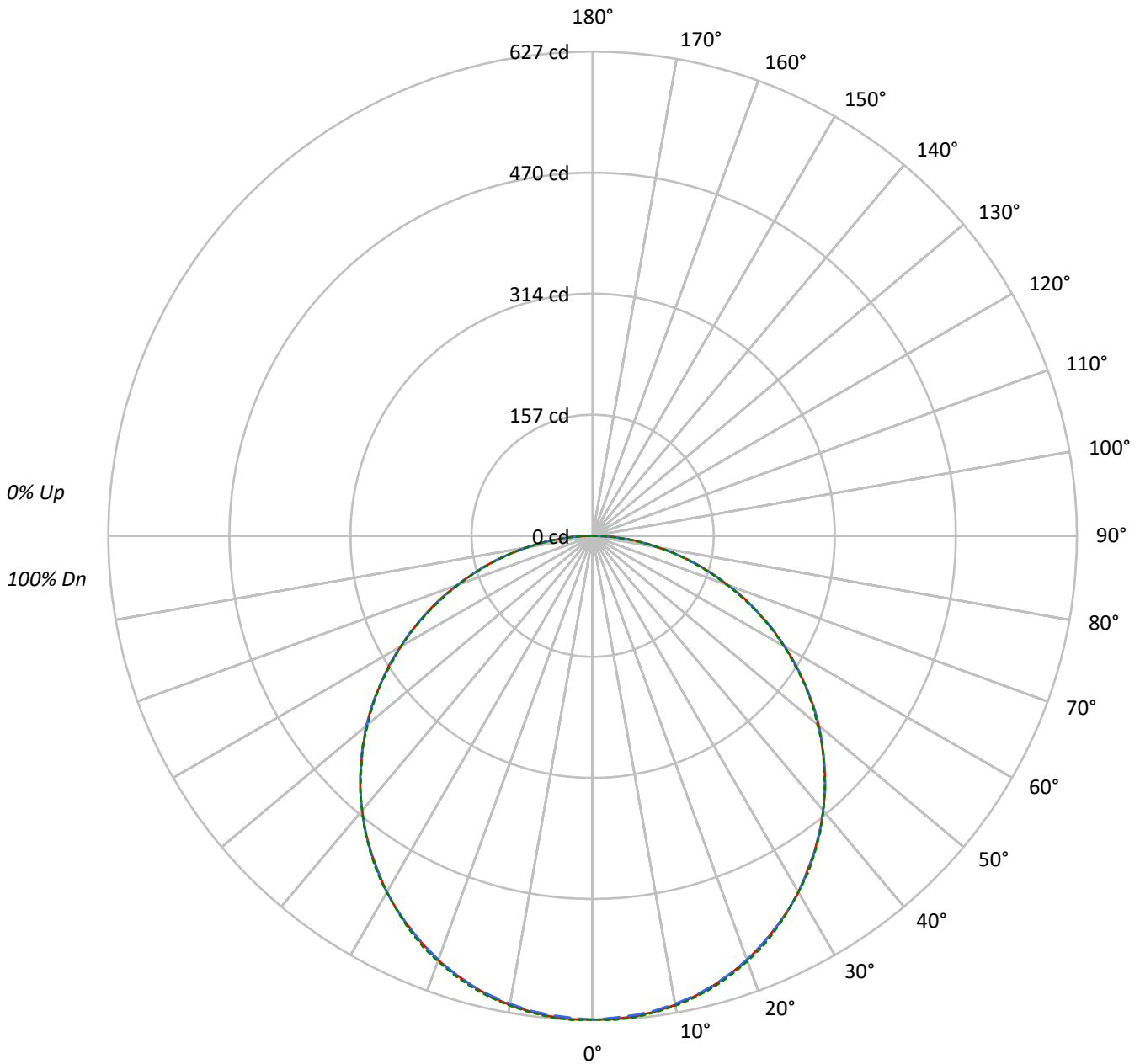
Test Method: LM-79-08  
Report Number: P568276  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTX-20HE-L830  
Description: 1X4 2000 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: 1852.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 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): 14.8  
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	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°	1686	1686	1686
5°	1688	1683	1690
10°	1685	1681	1688
15°	1681	1679	1686
20°	1674	1672	1678
25°	1664	1664	1669
30°	1656	1655	1656
35°	1643	1644	1646
40°	1631	1631	1631
45°	1616	1615	1611
50°	1601	1601	1591
55°	1573	1577	1571
60°	1545	1545	1541
65°	1512	1510	1501
70°	1462	1470	1453
75°	1416	1418	1399
80°	1316	1337	1337
85°	1238	1226	1204



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.4	3.2
10°-20°	170.4	9.2
20°-30°	258.7	14.0
30°-40°	313.3	16.9
40°-50°	327.7	17.7
50°-60°	300.1	16.2
60°-70°	234.7	12.7
70°-80°	143.5	7.8
80°-90°	44.2	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°	488.4	26.4
0°-40°	801.7	43.3
0°-60°	1429.5	77.2
0°-90°	1852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	625	625	623	625	626	59
15°	603	604	603	604	605	170
25°	560	562	560	562	562	258
35°	500	500	500	501	501	313
45°	425	425	424	424	423	328
55°	335	338	336	335	335	300
65°	237	238	237	236	236	235
75°	136	136	136	136	135	144
85°	40	39	40	39	39	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	626.5	626.5	626.5	626.5	626.5
2.5°	626.5	626.5	624.6	626.9	627.4
5°	624.8	624.8	623.0	625.1	625.8
7.5°	621.3	621.6	620.0	622.0	622.3
10°	616.7	616.9	615.3	617.6	617.9
12.5°	610.9	611.1	609.7	611.8	612.1
15°	603.3	603.7	602.8	604.4	605.1
17.5°	594.4	595.1	594.0	596.1	596.3
20°	584.5	584.7	584.0	585.6	586.1
22.5°	573.1	573.8	572.6	574.7	575.4
25°	560.3	561.5	560.3	561.7	562.2
27.5°	547.3	548.3	547.3	548.0	547.6
30°	532.9	533.2	532.7	532.9	532.9
32.5°	516.2	517.2	516.7	517.9	518.3
35°	500.2	500.5	500.5	501.2	501.2
37.5°	482.8	482.8	483.1	483.8	483.8
40°	464.3	464.7	464.3	464.7	464.3
42.5°	445.5	445.2	445.5	445.7	445.0
45°	424.6	425.3	424.4	424.4	423.2
47.5°	403.0	404.4	404.2	403.5	403.7
50°	382.4	382.8	382.4	381.7	380.0
52.5°	359.4	360.8	359.6	359.9	358.0
55°	335.3	337.6	336.2	335.3	334.8
57.5°	312.3	313.0	311.6	310.4	309.7
60°	287.0	287.9	287.0	286.1	286.3
62.5°	262.2	263.6	263.8	262.0	261.5
65°	237.4	238.5	237.1	236.2	235.7
67.5°	213.2	213.0	211.8	210.7	210.2
70°	185.8	187.5	186.8	187.0	184.7
72.5°	161.5	161.7	161.0	161.0	159.2
75°	136.2	135.5	136.4	135.5	134.6
77.5°	111.1	111.8	111.6	110.4	111.4
80°	84.9	85.8	86.3	85.4	86.3
82.5°	62.9	62.9	62.6	62.6	61.9
85°	40.1	38.7	39.7	38.7	39.0
87.5°	18.3	18.1	17.2	17.9	17.6
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)