

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: P568352

Luminaire Tested: **22CGTX-20HE-L835**

Issue Date: 9/19/2022



**Test Information**

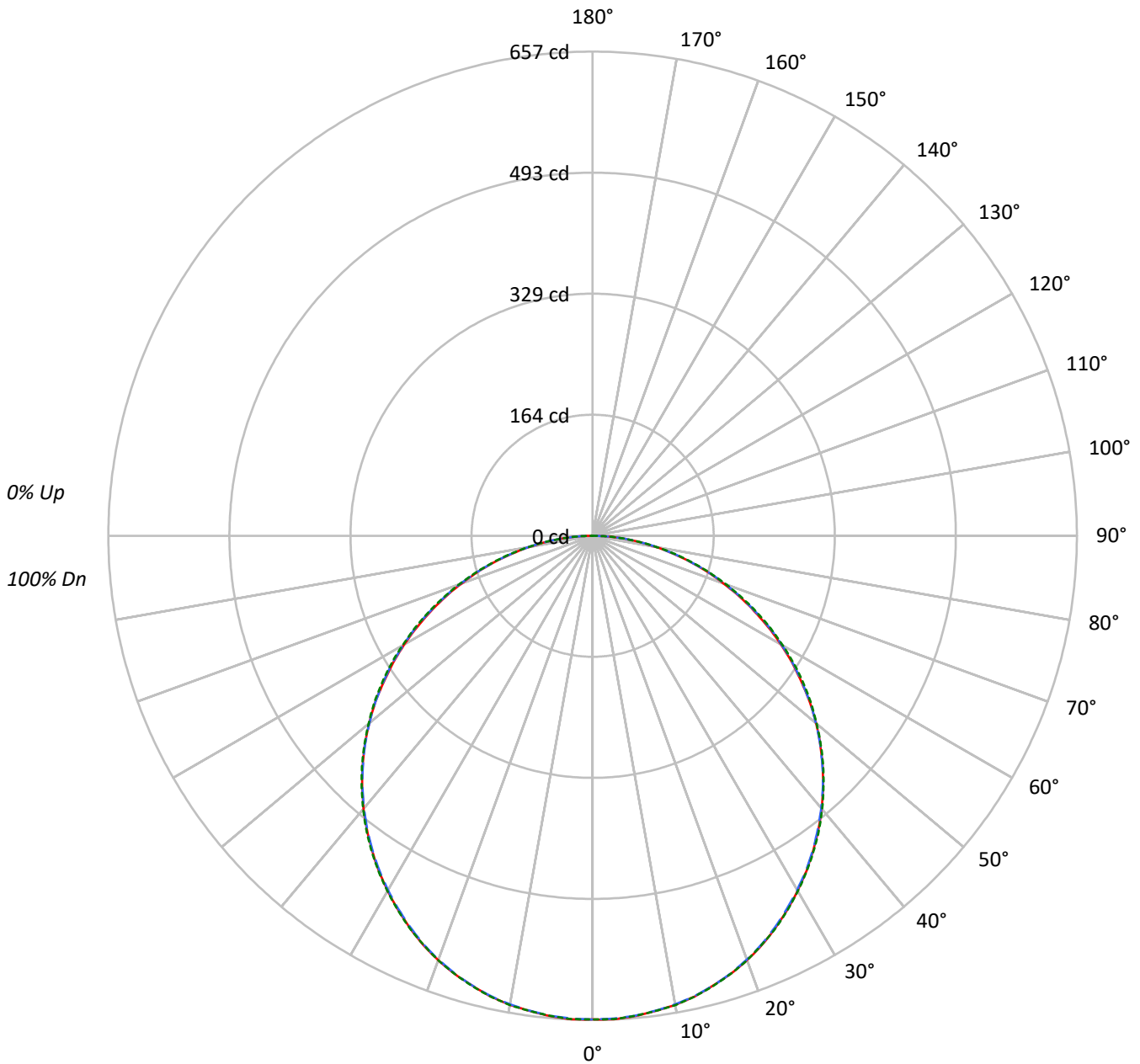
Test Method: LM-79-08  
Report Number: P568352  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-20HE-L835  
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1921.0 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 2' 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	94	90	93	90	88	89	87	85	83			
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58			
4	82	70	61	54	80	68	60	53	66	58	53	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	45	39	50	44	39	37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1766	1766	1766
5°	1768	1766	1767
10°	1766	1764	1767
15°	1760	1760	1762
20°	1755	1752	1755
25°	1743	1739	1744
30°	1729	1725	1730
35°	1713	1710	1717
40°	1698	1695	1701
45°	1679	1678	1684
50°	1657	1655	1661
55°	1623	1628	1639
60°	1588	1595	1605
65°	1541	1551	1564
70°	1487	1503	1515
75°	1429	1438	1456
80°	1344	1358	1368
85°	1223	1232	1254



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.1	3.2
10°-20°	178.3	9.3
20°-30°	270.2	14.1
30°-40°	326.4	17.0
40°-50°	340.5	17.7
50°-60°	310.5	16.2
60°-70°	241.4	12.6
70°-80°	146.4	7.6
80°-90°	45.1	2.3
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°	510.7	26.6
0°-40°	837.1	43.6
0°-60°	1488.1	77.5
0°-90°	1921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1921.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	654	653	654	653	654	62
15°	632	632	632	632	632	178
25°	587	586	586	587	587	271
35°	522	521	521	523	523	326
45°	441	441	441	443	442	340
55°	346	347	347	348	349	310
65°	242	243	244	245	246	240
75°	137	137	138	140	140	145
85°	40	40	40	41	41	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	656.4	656.4	656.4	656.4	656.4
2.5°	656.7	655.7	655.7	655.4	656.4
5°	654.4	653.4	653.8	653.4	654.1
7.5°	650.5	649.8	650.2	649.8	650.5
10°	646.2	645.6	645.6	645.6	646.6
12.5°	640.3	639.7	639.7	639.7	640.3
15°	631.8	631.8	631.8	631.8	632.5
17.5°	623.3	622.4	622.7	622.4	623.3
20°	612.9	611.6	611.9	611.9	612.9
22.5°	600.8	599.5	599.8	599.8	600.4
25°	587.0	585.7	585.7	586.7	587.4
27.5°	572.0	571.0	570.7	572.3	572.6
30°	556.3	555.6	555.0	556.6	556.9
32.5°	539.6	539.0	538.6	540.3	540.3
35°	521.6	521.0	520.6	522.6	522.6
37.5°	503.0	502.7	502.0	504.0	504.3
40°	483.4	482.7	482.4	484.3	484.3
42.5°	462.8	462.1	462.4	464.1	463.7
45°	441.2	440.8	440.8	442.8	442.5
47.5°	418.9	418.3	418.6	420.6	419.9
50°	395.7	395.1	395.4	397.4	396.7
52.5°	371.8	371.2	371.8	373.8	373.8
55°	346.0	346.7	347.0	348.0	349.3
57.5°	320.8	321.2	322.5	323.1	324.1
60°	295.0	295.6	296.3	297.6	298.3
62.5°	268.5	269.5	271.4	271.4	272.1
65°	242.0	242.7	243.6	244.6	245.6
67.5°	215.8	216.2	217.8	218.1	219.1
70°	189.0	189.4	191.0	191.3	192.6
72.5°	163.5	163.2	164.5	166.1	166.1
75°	137.4	137.0	138.3	139.6	140.0
77.5°	111.8	111.5	112.5	114.1	114.1
80°	86.7	87.3	87.6	89.0	88.3
82.5°	62.5	62.8	63.1	64.1	63.4
85°	39.6	39.9	39.9	40.9	40.6
87.5°	18.6	18.3	18.3	19.0	18.6
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)