

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: P568356

Luminaire Tested: **22CGTX-50HE-L835**

Issue Date: 9/19/2022

**Test Information**

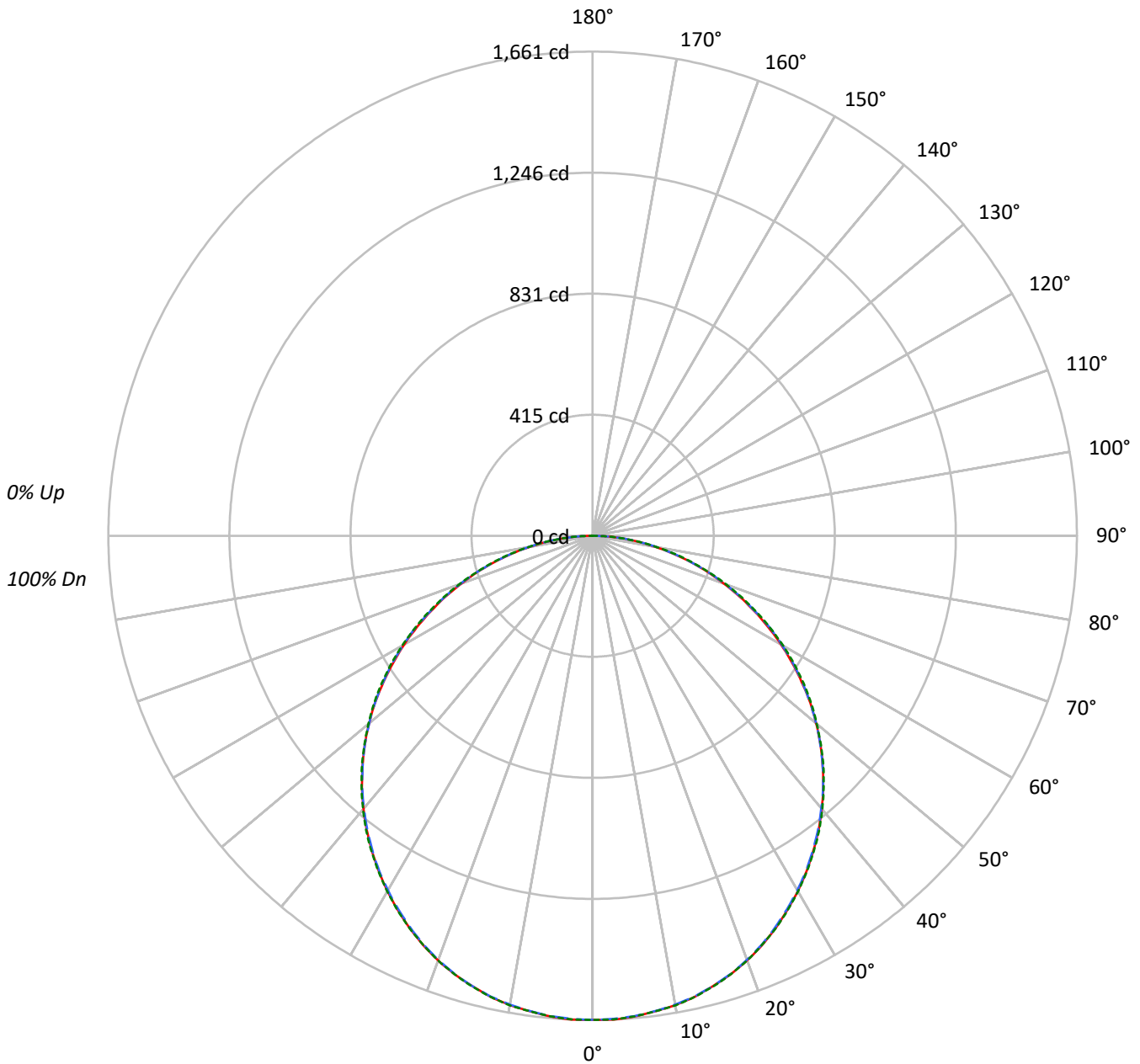
Test Method: LM-79-08  
Report Number: P568356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-50HE-L835  
Description: 2X2 5000 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: 4860.0 lumens  
Efficiency: N/A  
Efficacy: 121.5 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): 40  
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°	4469	4469	4469
5°	4472	4468	4470
10°	4467	4463	4470
15°	4453	4453	4458
20°	4440	4433	4440
25°	4410	4400	4412
30°	4373	4363	4378
35°	4335	4327	4344
40°	4296	4287	4305
45°	4247	4244	4260
50°	4191	4188	4201
55°	4107	4119	4145
60°	4017	4034	4061
65°	3899	3925	3957
70°	3762	3802	3834
75°	3613	3639	3682
80°	3398	3436	3462
85°	3091	3115	3168



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.2	3.2
10°-20°	451.2	9.3
20°-30°	683.6	14.1
30°-40°	825.7	17.0
40°-50°	861.4	17.7
50°-60°	785.6	16.2
60°-70°	610.6	12.6
70°-80°	370.4	7.6
80°-90°	114.2	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°	1292.0	26.6
0°-40°	2117.7	43.6
0°-60°	3764.7	77.5
0°-90°	4860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4860.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1661	1661	1661	1661	1661	
5°	1656	1653	1654	1653	1655	157
15°	1598	1598	1598	1598	1600	451
25°	1485	1482	1482	1484	1486	684
35°	1320	1318	1317	1322	1322	826
45°	1116	1115	1115	1120	1120	861
55°	875	877	878	880	884	783
65°	612	614	616	619	621	606
75°	348	347	350	353	354	367
85°	100	101	101	103	103	113
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1660.6	1660.6	1660.6	1660.6	1660.6
2.5°	1661.4	1658.9	1658.9	1658.1	1660.6
5°	1655.6	1653.1	1653.9	1653.1	1654.8
7.5°	1645.7	1644.0	1644.8	1644.0	1645.7
10°	1634.9	1633.3	1633.3	1633.3	1635.7
12.5°	1620.0	1618.4	1618.4	1618.4	1620.0
15°	1598.5	1598.5	1598.5	1598.5	1600.2
17.5°	1577.0	1574.5	1575.3	1574.5	1577.0
20°	1550.5	1547.2	1548.0	1548.0	1550.5
22.5°	1519.9	1516.6	1517.4	1517.4	1519.1
25°	1485.2	1481.8	1481.8	1484.3	1486.0
27.5°	1447.1	1444.6	1443.8	1447.9	1448.8
30°	1407.4	1405.7	1404.1	1408.2	1409.0
32.5°	1365.2	1363.5	1362.7	1366.8	1366.8
35°	1319.7	1318.0	1317.2	1322.2	1322.2
37.5°	1272.5	1271.7	1270.0	1275.0	1275.8
40°	1222.9	1221.2	1220.4	1225.4	1225.4
42.5°	1170.8	1169.1	1169.9	1174.1	1173.2
45°	1116.1	1115.3	1115.3	1120.3	1119.5
47.5°	1059.9	1058.2	1059.1	1064.0	1062.4
50°	1001.1	999.5	1000.3	1005.3	1003.6
52.5°	940.7	939.1	940.7	945.7	945.7
55°	875.4	877.0	877.9	880.3	883.6
57.5°	811.7	812.5	815.8	817.5	819.9
60°	746.3	748.0	749.6	752.9	754.6
62.5°	679.3	681.8	686.7	686.7	688.4
65°	612.3	613.9	616.4	618.9	621.4
67.5°	546.1	546.9	551.0	551.9	554.3
70°	478.2	479.1	483.2	484.0	487.3
72.5°	413.7	412.9	416.2	420.3	420.3
75°	347.5	346.7	350.0	353.3	354.1
77.5°	283.0	282.1	284.6	288.8	288.8
80°	219.3	220.9	221.7	225.0	223.4
82.5°	158.0	158.9	159.7	162.2	160.5
85°	100.1	100.9	100.9	103.4	102.6
87.5°	47.2	46.3	46.3	48.0	47.2
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)