

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: P568386

Luminaire Tested: **22CGTX-50HE-L950**

Issue Date: 9/19/2022

**Test Information**

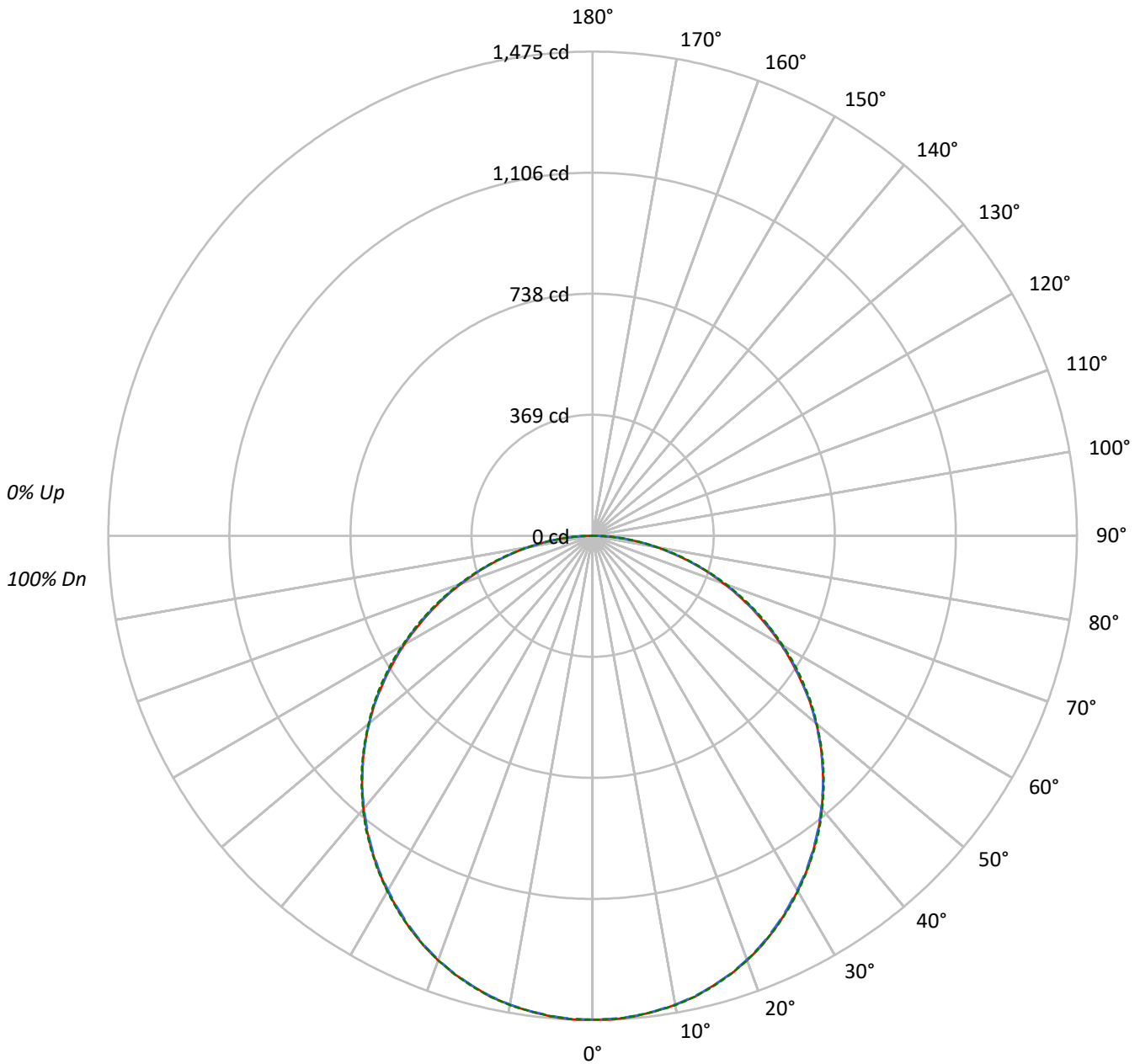
Test Method: LM-79-08  
Report Number: P568386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-50HE-L950  
Description: 2X2 5000 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: 4314.0 lumens  
Efficiency: N/A  
Efficacy: 107.8 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): 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°	3967	3967	3967
5°	3970	3966	3968
10°	3965	3962	3968
15°	3953	3953	3957
20°	3941	3935	3941
25°	3914	3906	3916
30°	3882	3873	3886
35°	3848	3841	3855
40°	3813	3805	3821
45°	3770	3768	3782
50°	3720	3717	3730
55°	3645	3656	3680
60°	3566	3581	3605
65°	3461	3484	3512
70°	3340	3375	3404
75°	3208	3230	3268
80°	3016	3050	3073
85°	2745	2766	2813



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.5	3.2
10°-20°	400.5	9.3
20°-30°	606.8	14.1
30°-40°	732.9	17.0
40°-50°	764.7	17.7
50°-60°	697.3	16.2
60°-70°	542.0	12.6
70°-80°	328.8	7.6
80°-90°	101.4	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°	1146.9	26.6
0°-40°	1879.8	43.6
0°-60°	3341.8	77.5
0°-90°	4314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4314.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1470	1467	1468	1467	1469	140
15°	1419	1419	1419	1419	1420	401
25°	1318	1315	1315	1318	1319	607
35°	1171	1170	1169	1174	1174	733
45°	991	990	990	994	994	764
55°	777	778	779	781	784	695
65°	544	545	547	549	552	538
75°	308	308	311	314	314	326
85°	89	90	90	92	91	100
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1474.0	1474.0	1474.0	1474.0	1474.0
2.5°	1474.7	1472.5	1472.5	1471.8	1474.0
5°	1469.6	1467.4	1468.1	1467.4	1468.9
7.5°	1460.8	1459.3	1460.1	1459.3	1460.8
10°	1451.2	1449.8	1449.8	1449.8	1452.0
12.5°	1438.0	1436.5	1436.5	1436.5	1438.0
15°	1418.9	1418.9	1418.9	1418.9	1420.4
17.5°	1399.8	1397.6	1398.4	1397.6	1399.8
20°	1376.3	1373.4	1374.1	1374.1	1376.3
22.5°	1349.2	1346.2	1346.9	1346.9	1348.4
25°	1318.3	1315.4	1315.4	1317.6	1319.0
27.5°	1284.5	1282.3	1281.6	1285.3	1286.0
30°	1249.3	1247.8	1246.3	1250.0	1250.7
32.5°	1211.8	1210.3	1209.6	1213.3	1213.3
35°	1171.4	1170.0	1169.2	1173.6	1173.6
37.5°	1129.6	1128.8	1127.4	1131.8	1132.5
40°	1085.5	1084.0	1083.3	1087.7	1087.7
42.5°	1039.2	1037.8	1038.5	1042.2	1041.4
45°	990.7	990.0	990.0	994.4	993.7
47.5°	940.8	939.3	940.1	944.5	943.0
50°	888.7	887.2	887.9	892.3	890.9
52.5°	835.0	833.6	835.0	839.5	839.5
55°	777.0	778.5	779.2	781.4	784.4
57.5°	720.5	721.2	724.2	725.6	727.8
60°	662.5	663.9	665.4	668.3	669.8
62.5°	603.0	605.2	609.6	609.6	611.0
65°	543.5	544.9	547.2	549.4	551.6
67.5°	484.7	485.5	489.1	489.9	492.1
70°	424.5	425.2	428.9	429.6	432.6
72.5°	367.2	366.5	369.4	373.1	373.1
75°	308.5	307.7	310.7	313.6	314.3
77.5°	251.2	250.4	252.6	256.3	256.3
80°	194.6	196.1	196.8	199.8	198.3
82.5°	140.3	141.0	141.7	143.9	142.5
85°	88.9	89.6	89.6	91.8	91.1
87.5°	41.9	41.1	41.1	42.6	41.9
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)