

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: P568374

Luminaire Tested: **22CGTX-50HE-L940**

Issue Date: 9/19/2022

**Test Information**

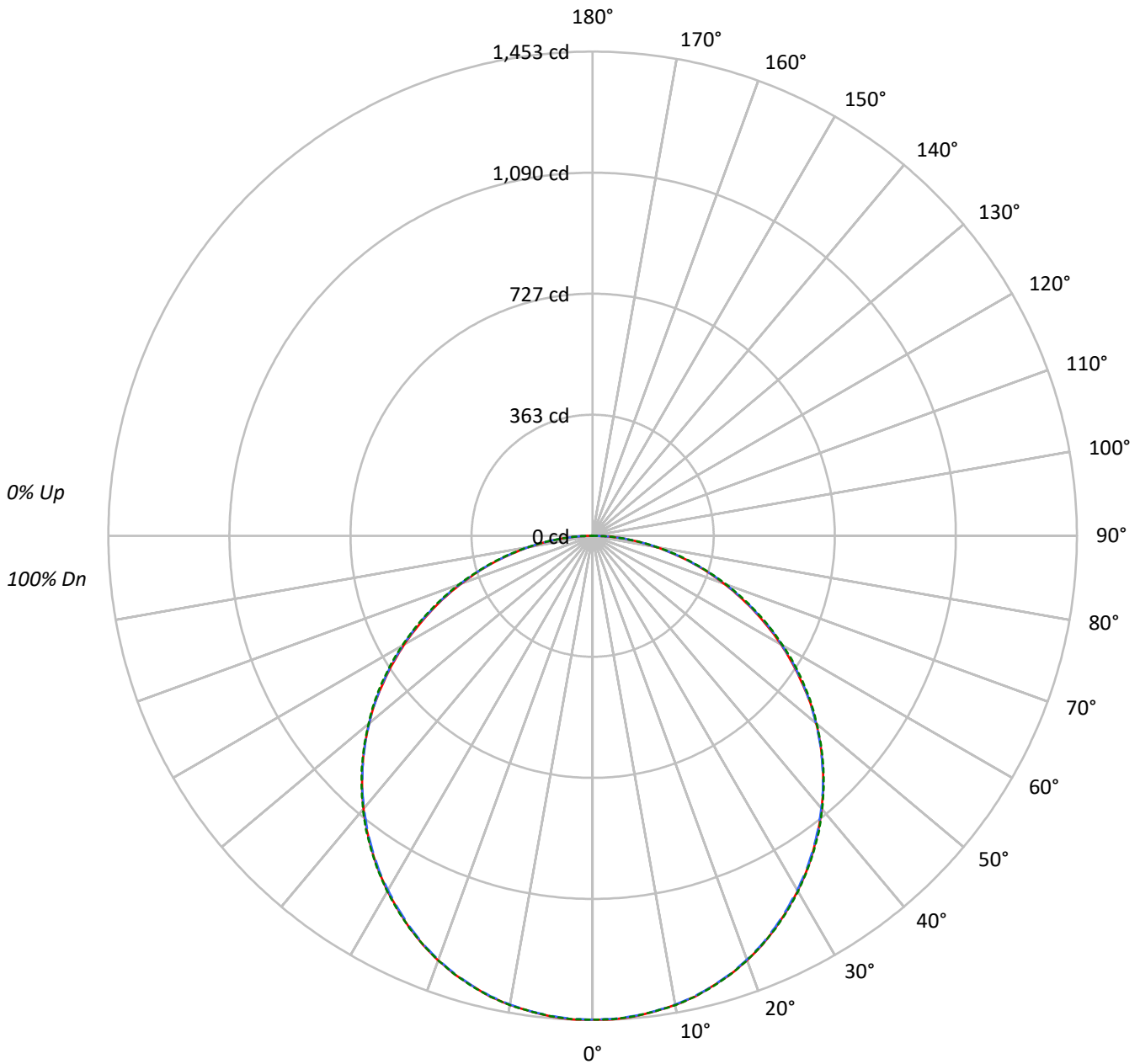
Test Method: LM-79-08  
Report Number: P568374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-50HE-L940  
Description: 2X2 5000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4250.0 lumens  
Efficiency: N/A  
Efficacy: 106.3 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°	3908	3908	3908
5°	3911	3907	3909
10°	3907	3903	3909
15°	3894	3894	3898
20°	3883	3877	3883
25°	3856	3848	3858
30°	3824	3815	3829
35°	3791	3784	3798
40°	3757	3749	3764
45°	3715	3712	3725
50°	3665	3662	3674
55°	3591	3602	3625
60°	3512	3528	3552
65°	3409	3432	3460
70°	3290	3324	3353
75°	3160	3183	3220
80°	2971	3005	3028
85°	2702	2726	2770



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.5	3.2
10°-20°	394.5	9.3
20°-30°	597.8	14.1
30°-40°	722.0	17.0
40°-50°	753.3	17.7
50°-60°	687.0	16.2
60°-70°	534.0	12.6
70°-80°	323.9	7.6
80°-90°	99.9	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°	1129.9	26.6
0°-40°	1851.9	43.6
0°-60°	3292.2	77.5
0°-90°	4250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4250.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1448	1446	1446	1446	1447	138
15°	1398	1398	1398	1398	1399	395
25°	1299	1296	1296	1298	1300	598
35°	1154	1153	1152	1156	1156	722
45°	976	975	975	980	979	753
55°	766	767	768	770	773	685
65°	535	537	539	541	543	530
75°	304	303	306	309	310	321
85°	88	88	88	90	90	99
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1452.1	1452.1	1452.1	1452.1	1452.1
2.5°	1452.9	1450.7	1450.7	1450.0	1452.1
5°	1447.8	1445.6	1446.3	1445.6	1447.1
7.5°	1439.1	1437.7	1438.4	1437.7	1439.1
10°	1429.7	1428.3	1428.3	1428.3	1430.4
12.5°	1416.7	1415.2	1415.2	1415.2	1416.7
15°	1397.9	1397.9	1397.9	1397.9	1399.3
17.5°	1379.1	1376.9	1377.6	1376.9	1379.1
20°	1355.9	1353.0	1353.7	1353.7	1355.9
22.5°	1329.1	1326.2	1327.0	1327.0	1328.4
25°	1298.7	1295.9	1295.9	1298.0	1299.5
27.5°	1265.5	1263.3	1262.6	1266.2	1266.9
30°	1230.7	1229.3	1227.8	1231.5	1232.2
32.5°	1193.8	1192.4	1191.7	1195.3	1195.3
35°	1154.0	1152.6	1151.9	1156.2	1156.2
37.5°	1112.8	1112.1	1110.6	1115.0	1115.7
40°	1069.4	1067.9	1067.2	1071.6	1071.6
42.5°	1023.8	1022.4	1023.1	1026.7	1026.0
45°	976.1	975.3	975.3	979.7	978.9
47.5°	926.9	925.4	926.1	930.5	929.0
50°	875.5	874.0	874.8	879.1	877.7
52.5°	822.7	821.2	822.7	827.0	827.0
55°	765.5	766.9	767.7	769.8	772.7
57.5°	709.8	710.5	713.4	714.9	717.0
60°	652.6	654.1	655.5	658.4	659.9
62.5°	594.0	596.2	600.5	600.5	602.0
65°	535.4	536.9	539.0	541.2	543.4
67.5°	477.5	478.3	481.9	482.6	484.8
70°	418.2	418.9	422.5	423.3	426.2
72.5°	361.8	361.0	363.9	367.6	367.6
75°	303.9	303.2	306.1	309.0	309.7
77.5°	247.4	246.7	248.9	252.5	252.5
80°	191.7	193.2	193.9	196.8	195.4
82.5°	138.2	138.9	139.6	141.8	140.4
85°	87.5	88.3	88.3	90.4	89.7
87.5°	41.2	40.5	40.5	42.0	41.2
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)