

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: P568380

Luminaire Tested: **22CGTX-50HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568380
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-L850
Description: 2X2 5000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

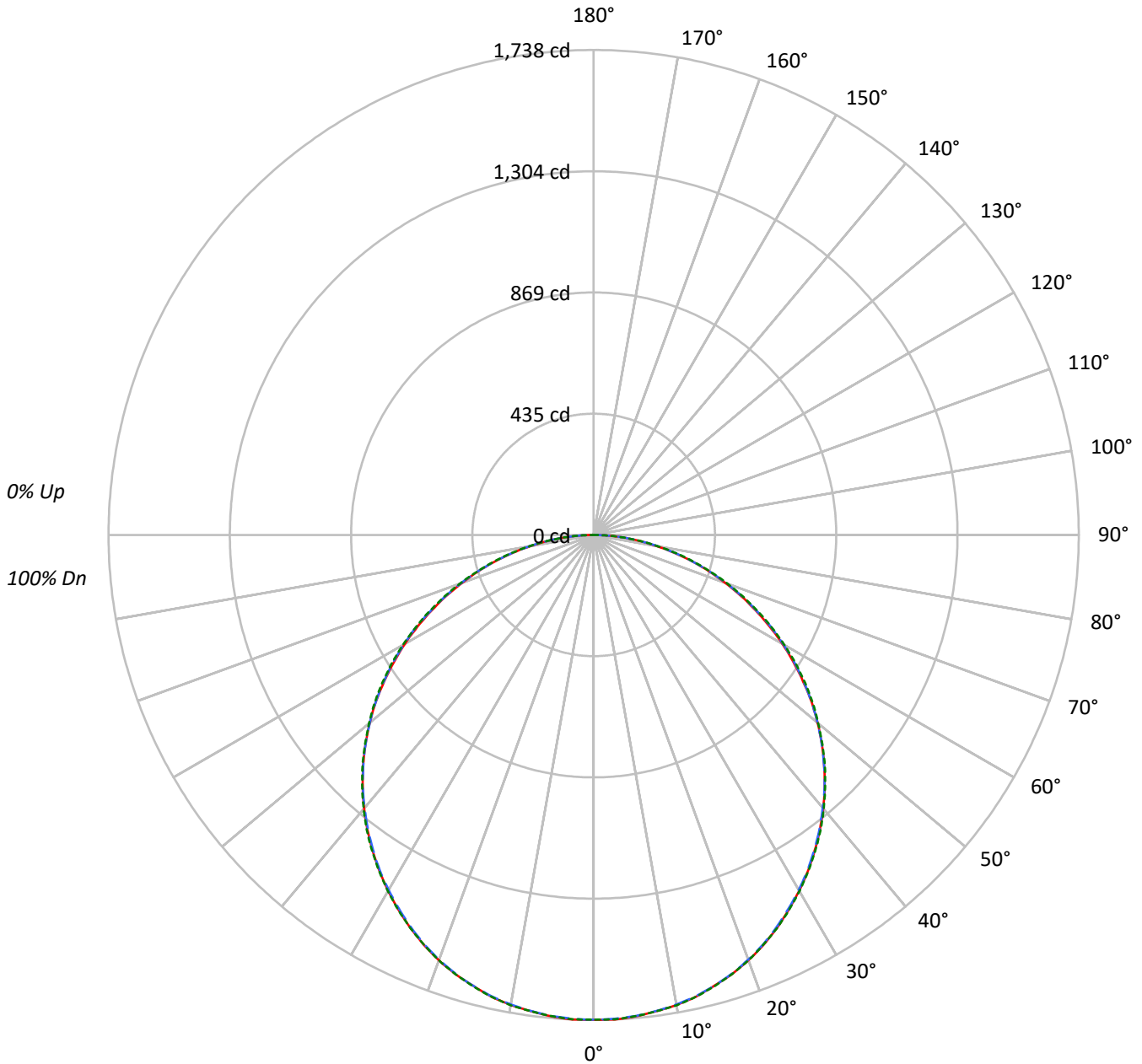
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5085.0 lumens
Efficiency: N/A
Efficacy: 127.1 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_{in}): 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

TEST NUMBER: P568380
CATALOG NUMBER: 22CGTX-50HE-L850

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°	4675	4675	4675
5°	4679	4675	4677
10°	4674	4670	4677
15°	4659	4659	4664
20°	4646	4638	4646
25°	4614	4604	4616
30°	4575	4565	4581
35°	4536	4527	4545
40°	4495	4486	4504
45°	4444	4441	4458
50°	4385	4382	4396
55°	4297	4309	4338
60°	4203	4221	4249
65°	4079	4106	4139
70°	3937	3978	4012
75°	3780	3807	3852
80°	3555	3595	3622
85°	3233	3260	3313



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	3.2
10°-20°	472.1	9.3
20°-30°	715.3	14.1
30°-40°	863.9	17.0
40°-50°	901.3	17.7
50°-60°	822.0	16.2
60°-70°	638.9	12.6
70°-80°	387.6	7.6
80°-90°	119.5	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°	1351.8	26.6
0°-40°	2215.7	43.6
0°-60°	3939.1	77.5
0°-90°	5085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5085.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1737	1737	1737	1737	1737	
5°	1732	1730	1730	1730	1731	165
15°	1672	1672	1672	1672	1674	472
25°	1554	1550	1550	1553	1555	716
35°	1381	1379	1378	1383	1383	864
45°	1168	1167	1167	1172	1171	901
55°	916	918	918	921	925	819
65°	641	642	645	648	650	634
75°	364	363	366	370	370	384
85°	105	106	106	108	107	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1737.4	1737.4	1737.4	1737.4	1737.4
2.5°	1738.3	1735.7	1735.7	1734.8	1737.4
5°	1732.2	1729.6	1730.5	1729.6	1731.4
7.5°	1721.9	1720.1	1721.0	1720.1	1721.9
10°	1710.6	1708.9	1708.9	1708.9	1711.5
12.5°	1695.0	1693.3	1693.3	1693.3	1695.0
15°	1672.5	1672.5	1672.5	1672.5	1674.2
17.5°	1650.0	1647.4	1648.3	1647.4	1650.0
20°	1622.3	1618.8	1619.7	1619.7	1622.3
22.5°	1590.3	1586.8	1587.7	1587.7	1589.4
25°	1553.9	1550.5	1550.5	1553.0	1554.8
27.5°	1514.1	1511.5	1510.6	1515.0	1515.8
30°	1472.5	1470.8	1469.1	1473.4	1474.3
32.5°	1428.4	1426.7	1425.8	1430.1	1430.1
35°	1380.8	1379.0	1378.2	1383.4	1383.4
37.5°	1331.4	1330.6	1328.8	1334.0	1334.9
40°	1279.5	1277.8	1276.9	1282.1	1282.1
42.5°	1225.0	1223.2	1224.1	1228.4	1227.5
45°	1167.8	1167.0	1167.0	1172.1	1171.3
47.5°	1108.9	1107.2	1108.1	1113.3	1111.5
50°	1047.5	1045.8	1046.6	1051.8	1050.1
52.5°	984.3	982.6	984.3	989.5	989.5
55°	915.9	917.6	918.5	921.1	924.6
57.5°	849.2	850.1	853.6	855.3	857.9
60°	780.9	782.6	784.3	787.8	789.5
62.5°	710.7	713.3	718.5	718.5	720.3
65°	640.6	642.3	644.9	647.5	650.1
67.5°	571.4	572.2	576.5	577.4	580.0
70°	500.4	501.2	505.6	506.4	509.9
72.5°	432.8	432.0	435.4	439.8	439.8
75°	363.6	362.7	366.2	369.6	370.5
77.5°	296.1	295.2	297.8	302.1	302.1
80°	229.4	231.1	232.0	235.5	233.7
82.5°	165.3	166.2	167.1	169.7	167.9
85°	104.7	105.6	105.6	108.2	107.3
87.5°	49.3	48.5	48.5	50.2	49.3
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)