

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: P568362

Luminaire Tested: **22CGTX-50HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568362
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-L935
Description: 2X2 5000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

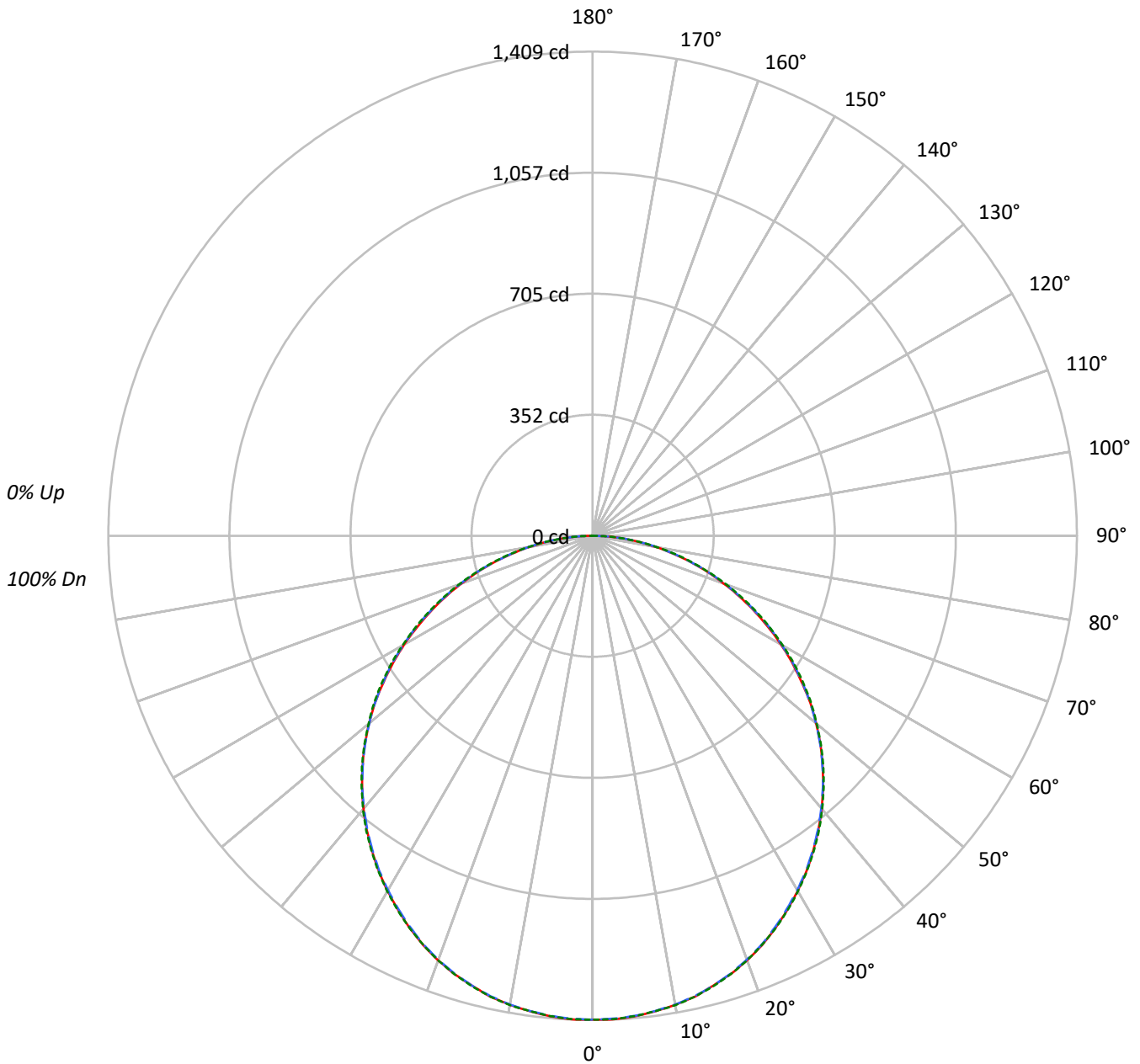
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4121.0 lumens
Efficiency: N/A
Efficacy: 103.0 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	3789	3789	3789
5°	3792	3788	3790
10°	3788	3784	3790
15°	3776	3776	3780
20°	3765	3759	3765
25°	3739	3731	3741
30°	3708	3700	3713
35°	3676	3669	3683
40°	3642	3635	3650
45°	3602	3599	3612
50°	3554	3551	3563
55°	3483	3492	3515
60°	3406	3421	3443
65°	3306	3328	3355
70°	3190	3223	3251
75°	3064	3086	3122
80°	2881	2913	2935
85°	2621	2643	2686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	3.2
10°-20°	382.6	9.3
20°-30°	579.7	14.1
30°-40°	700.1	17.0
40°-50°	730.4	17.7
50°-60°	666.2	16.2
60°-70°	517.8	12.6
70°-80°	314.1	7.6
80°-90°	96.8	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°	1095.6	26.6
0°-40°	1795.7	43.6
0°-60°	3192.3	77.5
0°-90°	4121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1404	1402	1402	1402	1403	133
15°	1355	1355	1355	1355	1357	383
25°	1259	1256	1256	1259	1260	580
35°	1119	1118	1117	1121	1121	700
45°	946	946	946	950	949	730
55°	742	744	744	746	749	664
65°	519	521	523	525	527	514
75°	295	294	297	300	300	312
85°	85	86	86	88	87	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1408.1	1408.1	1408.1	1408.1	1408.1
2.5°	1408.8	1406.7	1406.7	1406.0	1408.1
5°	1403.9	1401.7	1402.4	1401.7	1403.2
7.5°	1395.4	1394.0	1394.7	1394.0	1395.4
10°	1386.3	1384.9	1384.9	1384.9	1387.0
12.5°	1373.7	1372.3	1372.3	1372.3	1373.7
15°	1355.4	1355.4	1355.4	1355.4	1356.8
17.5°	1337.2	1335.1	1335.8	1335.1	1337.2
20°	1314.8	1311.9	1312.6	1312.6	1314.8
22.5°	1288.8	1286.0	1286.7	1286.7	1288.1
25°	1259.3	1256.5	1256.5	1258.6	1260.0
27.5°	1227.1	1225.0	1224.2	1227.8	1228.5
30°	1193.4	1192.0	1190.6	1194.1	1194.8
32.5°	1157.6	1156.2	1155.5	1159.0	1159.0
35°	1119.0	1117.6	1116.9	1121.1	1121.1
37.5°	1079.0	1078.3	1076.9	1081.1	1081.8
40°	1036.9	1035.5	1034.8	1039.0	1039.0
42.5°	992.7	991.3	992.0	995.5	994.8
45°	946.4	945.7	945.7	949.9	949.2
47.5°	898.7	897.3	898.0	902.2	900.8
50°	848.9	847.5	848.2	852.4	851.0
52.5°	797.7	796.3	797.7	801.9	801.9
55°	742.3	743.7	744.4	746.5	749.3
57.5°	688.2	688.9	691.8	693.2	695.3
60°	632.8	634.2	635.6	638.4	639.8
62.5°	576.0	578.1	582.3	582.3	583.7
65°	519.2	520.6	522.7	524.8	526.9
67.5°	463.0	463.7	467.2	468.0	470.1
70°	405.5	406.2	409.7	410.4	413.2
72.5°	350.8	350.1	352.9	356.4	356.4
75°	294.7	294.0	296.8	299.6	300.3
77.5°	239.9	239.2	241.3	244.8	244.8
80°	185.9	187.3	188.0	190.8	189.4
82.5°	134.0	134.7	135.4	137.5	136.1
85°	84.9	85.6	85.6	87.7	87.0
87.5°	40.0	39.3	39.3	40.7	40.0
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)