

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: P568408

Luminaire Tested: **22CGTX-20-L940**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568408
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-20-L940
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

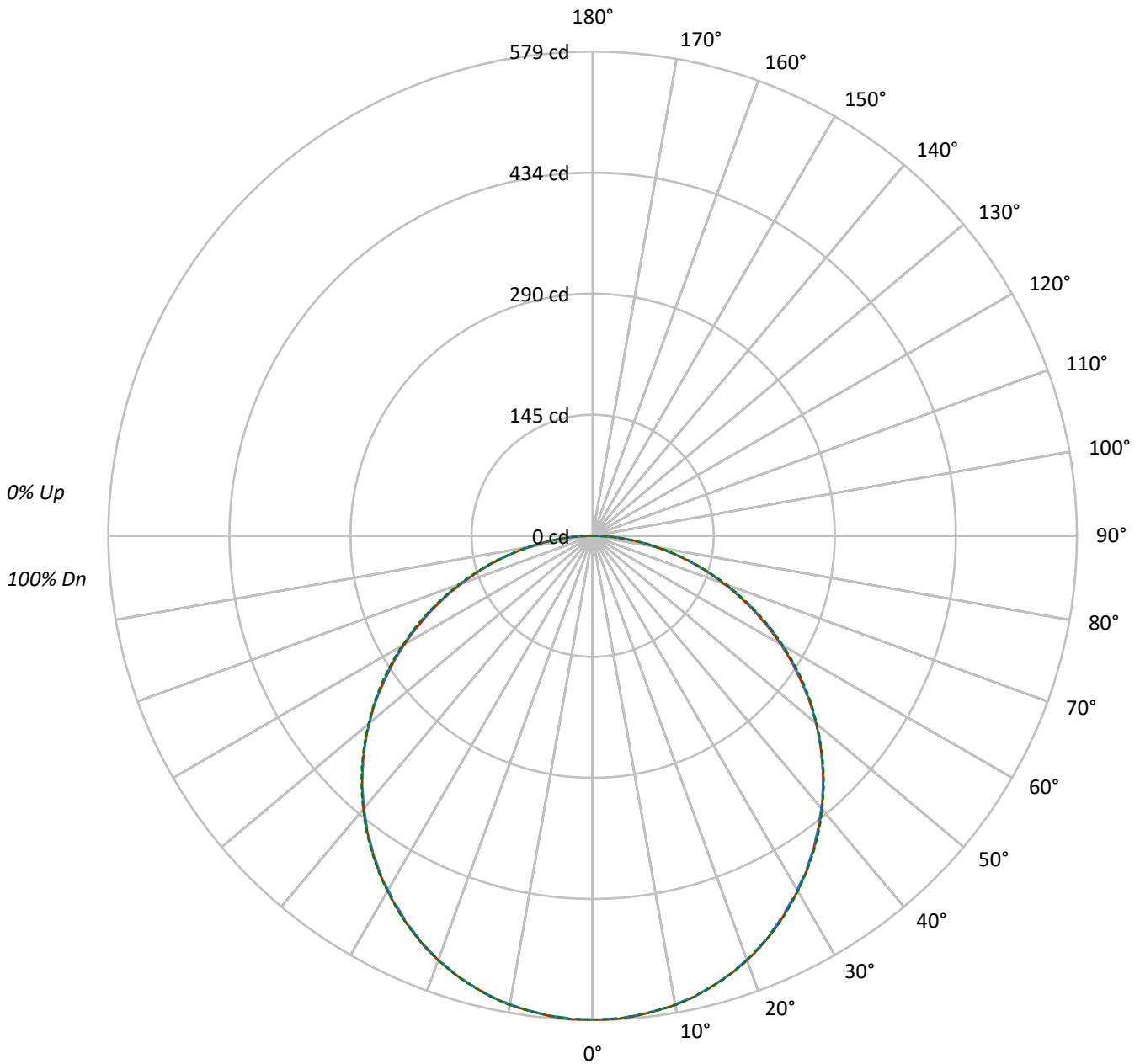
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1693.0 lumens
Efficiency: N/A
Efficacy: 112.1 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): 15.1
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°	1557	1557	1557
5°	1558	1556	1557
10°	1556	1555	1557
15°	1551	1551	1553
20°	1547	1544	1547
25°	1536	1533	1537
30°	1523	1520	1525
35°	1510	1508	1513
40°	1496	1493	1500
45°	1480	1478	1484
50°	1460	1459	1464
55°	1430	1435	1444
60°	1399	1405	1415
65°	1358	1367	1379
70°	1311	1324	1336
75°	1259	1267	1283
80°	1184	1196	1206
85°	1078	1087	1102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	3.2
10°-20°	157.2	9.3
20°-30°	238.2	14.1
30°-40°	287.6	17.0
40°-50°	300.1	17.7
50°-60°	273.7	16.2
60°-70°	212.7	12.6
70°-80°	129.0	7.6
80°-90°	39.8	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°	450.1	26.6
0°-40°	737.7	43.6
0°-60°	1311.5	77.5
0°-90°	1693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	578	578	578	578	578	
5°	577	576	576	576	576	55
15°	557	557	557	557	557	157
25°	517	516	516	517	518	238
35°	460	459	459	461	461	288
45°	389	388	388	390	390	300
55°	305	306	306	307	308	273
65°	213	214	215	216	216	211
75°	121	121	122	123	123	128
85°	35	35	35	36	36	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	578.5	578.5	578.5	578.5	578.5
2.5°	578.8	577.9	577.9	577.6	578.5
5°	576.7	575.9	576.2	575.9	576.4
7.5°	573.3	572.7	573.0	572.7	573.3
10°	569.5	569.0	569.0	569.0	569.8
12.5°	564.3	563.8	563.8	563.8	564.3
15°	556.8	556.8	556.8	556.8	557.4
17.5°	549.4	548.5	548.8	548.5	549.4
20°	540.1	539.0	539.3	539.3	540.1
22.5°	529.5	528.3	528.6	528.6	529.2
25°	517.4	516.2	516.2	517.1	517.6
27.5°	504.1	503.2	502.9	504.4	504.7
30°	490.3	489.7	489.1	490.6	490.8
32.5°	475.6	475.0	474.7	476.1	476.1
35°	459.7	459.1	458.9	460.6	460.6
37.5°	443.3	443.0	442.4	444.2	444.4
40°	426.0	425.4	425.1	426.9	426.9
42.5°	407.8	407.3	407.5	409.0	408.7
45°	388.8	388.5	388.5	390.3	390.0
47.5°	369.2	368.6	368.9	370.7	370.1
50°	348.7	348.2	348.5	350.2	349.6
52.5°	327.7	327.1	327.7	329.4	329.4
55°	304.9	305.5	305.8	306.7	307.8
57.5°	282.7	283.0	284.2	284.8	285.6
60°	260.0	260.6	261.1	262.3	262.9
62.5°	236.6	237.5	239.2	239.2	239.8
65°	213.3	213.9	214.7	215.6	216.5
67.5°	190.2	190.5	192.0	192.2	193.1
70°	166.6	166.9	168.3	168.6	169.8
72.5°	144.1	143.8	145.0	146.4	146.4
75°	121.1	120.8	121.9	123.1	123.4
77.5°	98.6	98.3	99.1	100.6	100.6
80°	76.4	77.0	77.2	78.4	77.8
82.5°	55.1	55.3	55.6	56.5	55.9
85°	34.9	35.2	35.2	36.0	35.7
87.5°	16.4	16.1	16.1	16.7	16.4
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)