

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: P568400

Luminaire Tested: **22CGTX-20-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568400
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-L935
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

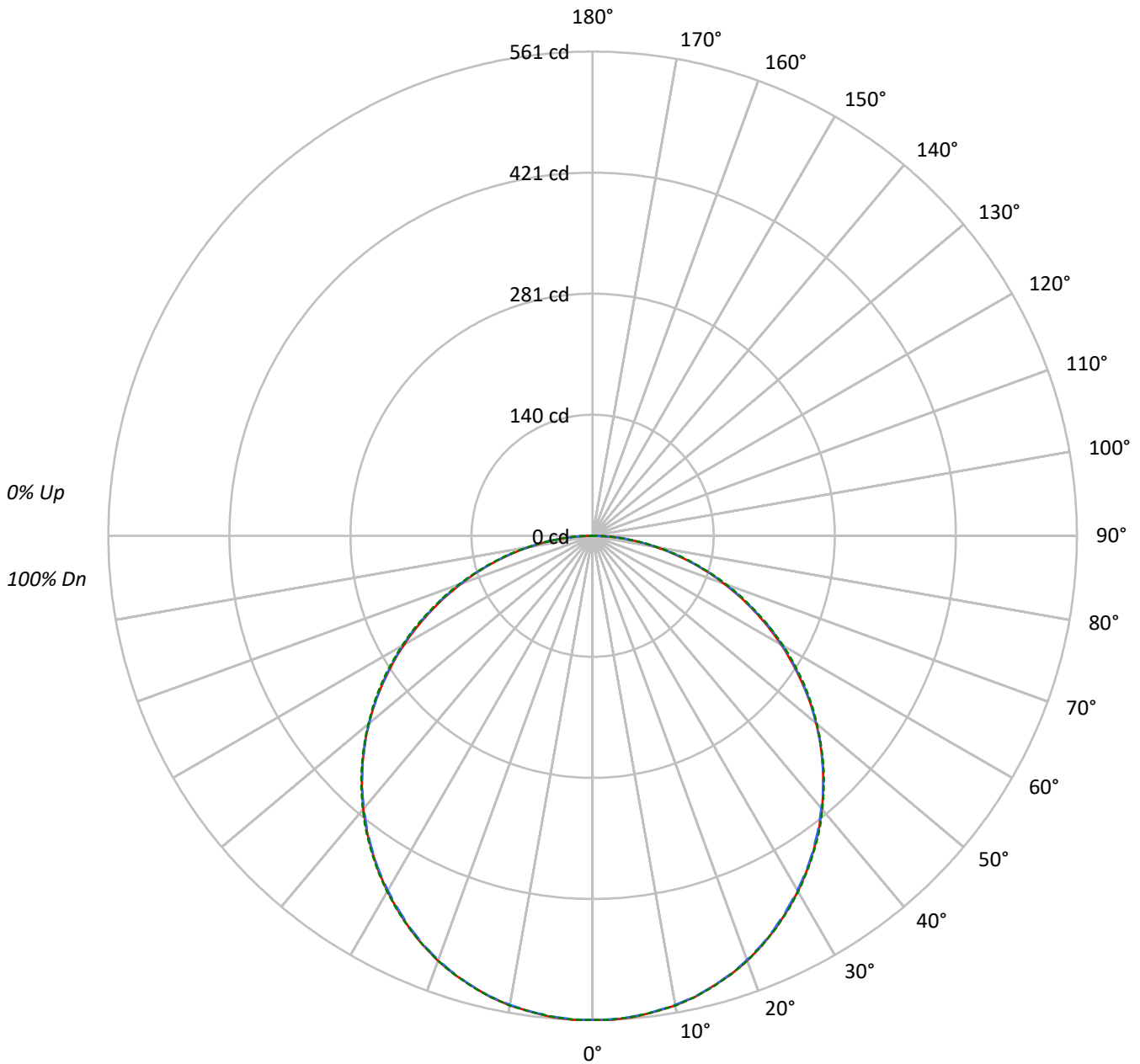
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1642.0 lumens
Efficiency: N/A
Efficacy: 108.7 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°	1510	1510	1510
5°	1511	1509	1510
10°	1509	1508	1510
15°	1505	1505	1506
20°	1500	1498	1500
25°	1490	1487	1491
30°	1478	1474	1479
35°	1465	1462	1467
40°	1451	1448	1454
45°	1435	1434	1439
50°	1416	1415	1420
55°	1388	1392	1400
60°	1357	1363	1372
65°	1317	1326	1337
70°	1271	1285	1295
75°	1221	1229	1243
80°	1148	1161	1170
85°	1044	1053	1071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	3.2
10°-20°	152.4	9.3
20°-30°	231.0	14.1
30°-40°	279.0	17.0
40°-50°	291.0	17.7
50°-60°	265.4	16.2
60°-70°	206.3	12.6
70°-80°	125.2	7.6
80°-90°	38.6	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°	436.5	26.6
0°-40°	715.5	43.6
0°-60°	1272.0	77.5
0°-90°	1642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	561	561	561	561	561	
5°	559	558	559	558	559	53
15°	540	540	540	540	541	153
25°	502	501	501	502	502	231
35°	446	445	445	447	447	279
45°	377	377	377	378	378	291
55°	296	296	297	297	298	265
65°	207	207	208	209	210	205
75°	117	117	118	119	120	124
85°	34	34	34	35	35	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	561.0	561.0	561.0	561.0	561.0
2.5°	561.3	560.5	560.5	560.2	561.0
5°	559.4	558.5	558.8	558.5	559.1
7.5°	556.0	555.4	555.7	555.4	556.0
10°	552.4	551.8	551.8	551.8	552.7
12.5°	547.3	546.8	546.8	546.8	547.3
15°	540.1	540.1	540.1	540.1	540.6
17.5°	532.8	532.0	532.2	532.0	532.8
20°	523.9	522.7	523.0	523.0	523.9
22.5°	513.5	512.4	512.7	512.7	513.2
25°	501.8	500.7	500.7	501.5	502.1
27.5°	488.9	488.1	487.8	489.2	489.5
30°	475.5	474.9	474.4	475.8	476.1
32.5°	461.2	460.7	460.4	461.8	461.8
35°	445.9	445.3	445.0	446.7	446.7
37.5°	429.9	429.7	429.1	430.8	431.1
40°	413.2	412.6	412.3	414.0	414.0
42.5°	395.5	395.0	395.3	396.7	396.4
45°	377.1	376.8	376.8	378.5	378.2
47.5°	358.1	357.5	357.8	359.5	358.9
50°	338.2	337.7	338.0	339.6	339.1
52.5°	317.8	317.3	317.8	319.5	319.5
55°	295.8	296.3	296.6	297.4	298.5
57.5°	274.2	274.5	275.6	276.2	277.0
60°	252.1	252.7	253.3	254.4	254.9
62.5°	229.5	230.3	232.0	232.0	232.6
65°	206.9	207.4	208.3	209.1	209.9
67.5°	184.5	184.8	186.2	186.5	187.3
70°	161.6	161.9	163.3	163.5	164.6
72.5°	139.8	139.5	140.6	142.0	142.0
75°	117.4	117.1	118.2	119.4	119.6
77.5°	95.6	95.3	96.2	97.6	97.6
80°	74.1	74.6	74.9	76.0	75.5
82.5°	53.4	53.7	54.0	54.8	54.2
85°	33.8	34.1	34.1	34.9	34.7
87.5°	15.9	15.7	15.7	16.2	15.9
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)