

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: P568412

Luminaire Tested: **22CGTX-20-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568412
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-L850
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

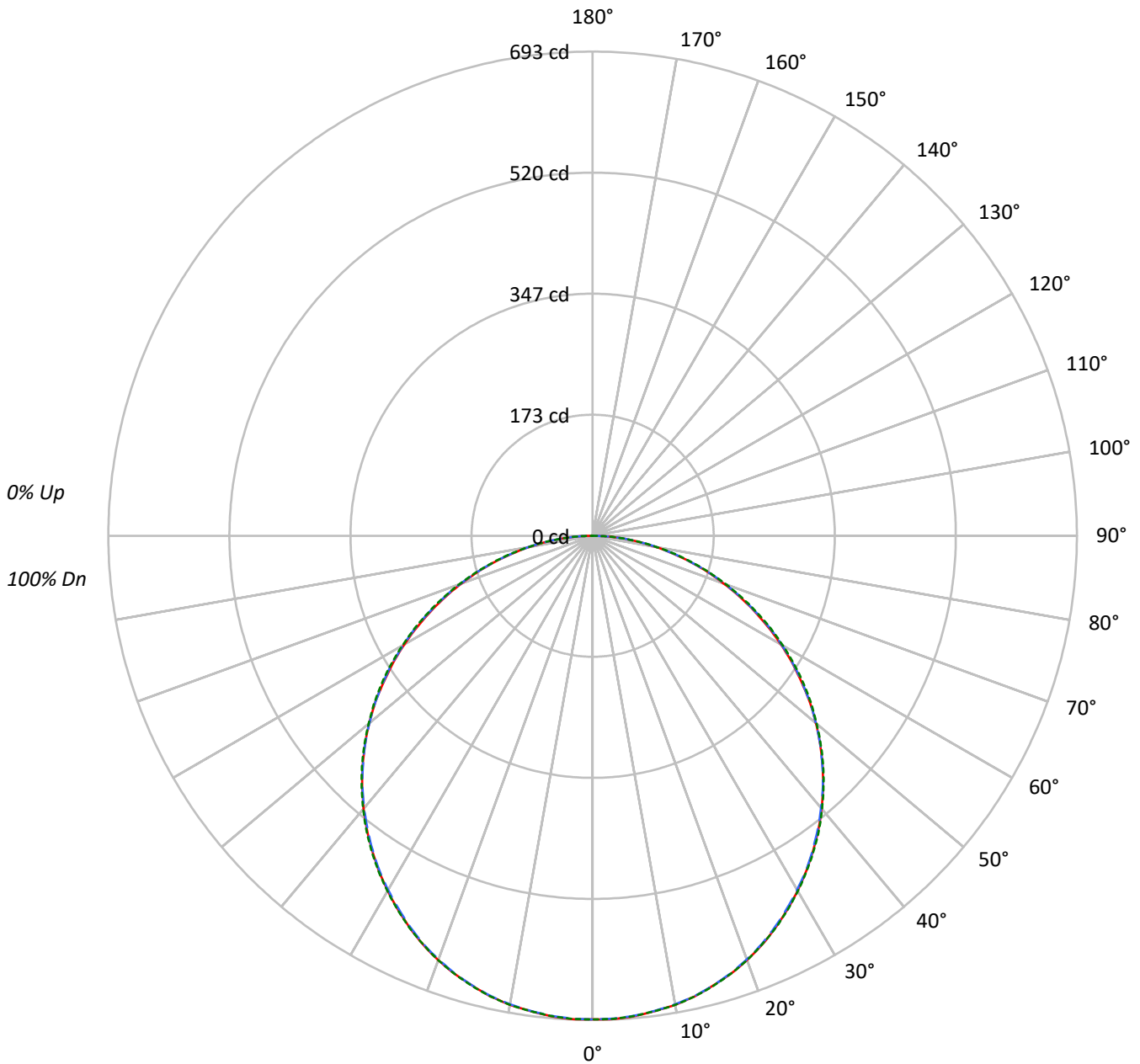
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2026.0 lumens
Efficiency: N/A
Efficacy: 134.2 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

TEST NUMBER: P568412
CATALOG NUMBER: 22CGTX-20-L850

Luminous Intensity Polar Plot





TEST NUMBER: P568412

CATALOG NUMBER: 22CGTX-20-L850

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°	1863	1863	1863
5°	1864	1863	1863
10°	1862	1861	1863
15°	1857	1857	1858
20°	1851	1848	1851
25°	1838	1834	1839
30°	1823	1819	1825
35°	1807	1804	1811
40°	1791	1787	1794
45°	1771	1769	1776
50°	1747	1746	1752
55°	1712	1717	1728
60°	1674	1682	1693
65°	1625	1636	1649
70°	1569	1585	1599
75°	1507	1517	1535
80°	1416	1432	1443
85°	1288	1300	1321



TEST NUMBER: P568412

CATALOG NUMBER: 22CGTX-20-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	3.2
10°-20°	188.1	9.3
20°-30°	285.0	14.1
30°-40°	344.2	17.0
40°-50°	359.1	17.7
50°-60°	327.5	16.2
60°-70°	254.6	12.6
70°-80°	154.4	7.6
80°-90°	47.6	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°	538.6	26.6
0°-40°	882.8	43.6
0°-60°	1569.4	77.5
0°-90°	2026.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2026.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	690	689	690	689	690	66
15°	666	666	666	666	667	188
25°	619	618	618	619	620	285
35°	550	549	549	551	551	344
45°	465	465	465	467	467	359
55°	365	366	366	367	368	326
65°	255	256	257	258	259	253
75°	145	144	146	147	148	153
85°	42	42	42	43	43	47
90°	0	0	0	0	0	



TEST NUMBER: P568412

CATALOG NUMBER: 22CGTX-20-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	692.2	692.2	692.2	692.2	692.2
2.5°	692.6	691.6	691.6	691.2	692.2
5°	690.2	689.1	689.5	689.1	689.8
7.5°	686.0	685.3	685.7	685.3	686.0
10°	681.6	680.9	680.9	680.9	681.9
12.5°	675.3	674.7	674.7	674.7	675.3
15°	666.4	666.4	666.4	666.4	667.1
17.5°	657.4	656.4	656.7	656.4	657.4
20°	646.4	645.0	645.3	645.3	646.4
22.5°	633.6	632.2	632.6	632.6	633.3
25°	619.1	617.7	617.7	618.8	619.5
27.5°	603.3	602.2	601.9	603.6	603.9
30°	586.7	586.0	585.3	587.0	587.4
32.5°	569.1	568.4	568.1	569.8	569.8
35°	550.1	549.4	549.1	551.2	551.2
37.5°	530.5	530.1	529.4	531.5	531.9
40°	509.8	509.1	508.7	510.8	510.8
42.5°	488.1	487.4	487.7	489.4	489.1
45°	465.3	464.9	464.9	467.0	466.7
47.5°	441.8	441.1	441.5	443.6	442.9
50°	417.3	416.7	417.0	419.1	418.4
52.5°	392.2	391.5	392.2	394.2	394.2
55°	364.9	365.6	366.0	367.0	368.4
57.5°	338.4	338.7	340.1	340.8	341.8
60°	311.1	311.8	312.5	313.9	314.6
62.5°	283.2	284.2	286.3	286.3	287.0
65°	255.2	255.9	257.0	258.0	259.0
67.5°	227.6	228.0	229.7	230.1	231.1
70°	199.4	199.7	201.4	201.8	203.2
72.5°	172.5	172.1	173.5	175.2	175.2
75°	144.9	144.5	145.9	147.3	147.6
77.5°	118.0	117.6	118.7	120.4	120.4
80°	91.4	92.1	92.4	93.8	93.1
82.5°	65.9	66.2	66.6	67.6	66.9
85°	41.7	42.1	42.1	43.1	42.8
87.5°	19.7	19.3	19.3	20.0	19.7
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)