

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: P568416

Luminaire Tested: **22CGTX-20-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568416
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-L950
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

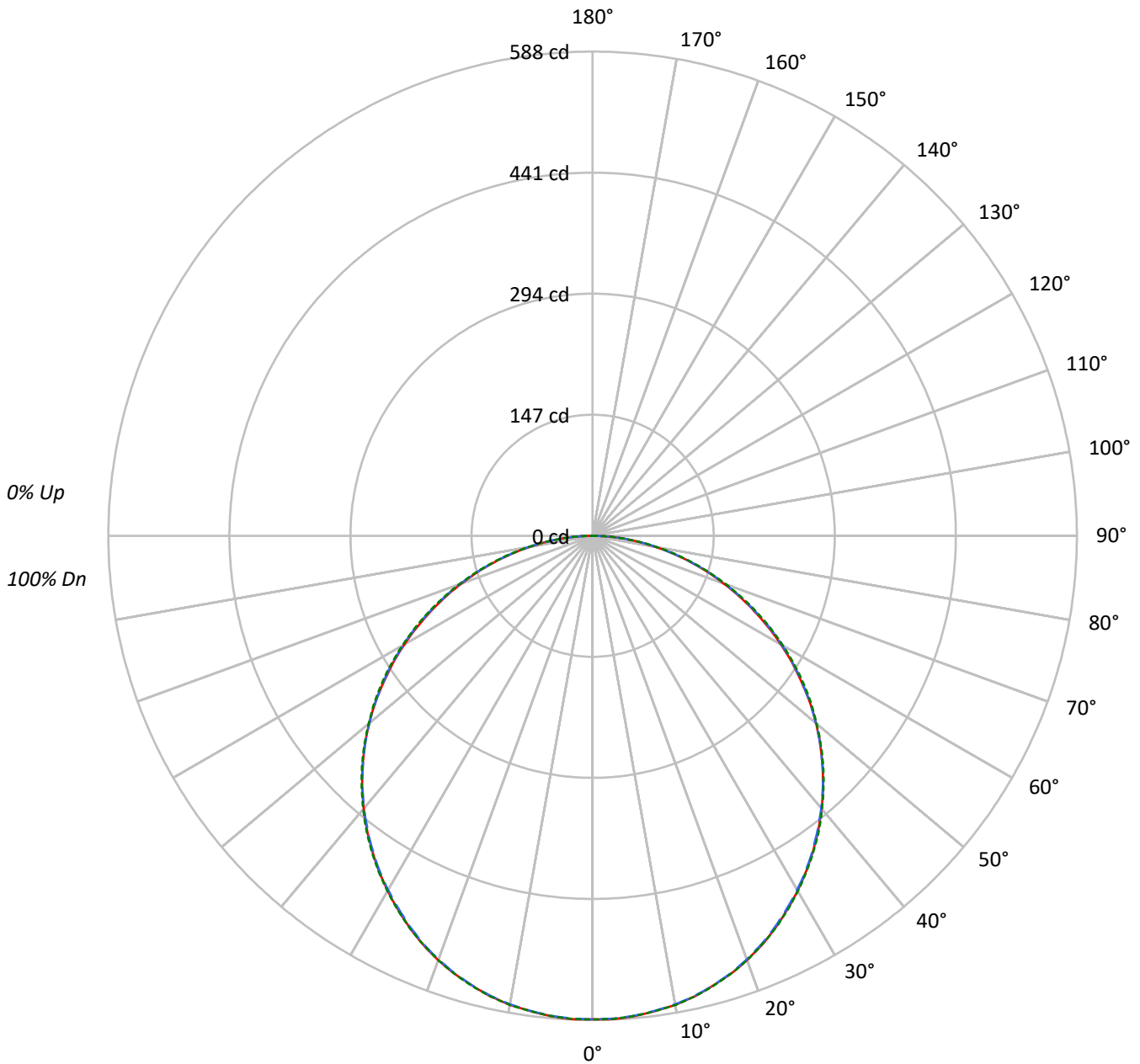
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1719.0 lumens
Efficiency: N/A
Efficacy: 113.8 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°	1580	1580	1580
5°	1582	1580	1581
10°	1580	1579	1581
15°	1575	1575	1577
20°	1570	1568	1570
25°	1560	1556	1561
30°	1547	1543	1549
35°	1533	1531	1536
40°	1519	1516	1522
45°	1502	1501	1507
50°	1482	1481	1486
55°	1453	1457	1466
60°	1421	1427	1436
65°	1379	1388	1400
70°	1331	1345	1356
75°	1278	1287	1303
80°	1203	1215	1224
85°	1093	1102	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	3.2
10°-20°	159.6	9.3
20°-30°	241.8	14.1
30°-40°	292.1	17.0
40°-50°	304.7	17.7
50°-60°	277.9	16.2
60°-70°	216.0	12.6
70°-80°	131.0	7.6
80°-90°	40.4	2.4
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°	457.0	26.6
0°-40°	749.0	43.6
0°-60°	1331.6	77.5
0°-90°	1719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	587	587	587	587	587	
5°	586	585	585	585	585	56
15°	565	565	565	565	566	160
25°	525	524	524	525	526	242
35°	467	466	466	468	468	292
45°	395	394	394	396	396	305
55°	310	310	310	311	312	277
65°	217	217	218	219	220	214
75°	123	123	124	125	125	130
85°	35	36	36	37	36	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	587.3	587.3	587.3	587.3	587.3
2.5°	587.6	586.8	586.8	586.5	587.3
5°	585.6	584.7	585.0	584.7	585.3
7.5°	582.1	581.5	581.8	581.5	582.1
10°	578.3	577.7	577.7	577.7	578.6
12.5°	573.0	572.4	572.4	572.4	573.0
15°	565.4	565.4	565.4	565.4	566.0
17.5°	557.8	556.9	557.2	556.9	557.8
20°	548.4	547.3	547.5	547.5	548.4
22.5°	537.6	536.4	536.7	536.7	537.3
25°	525.3	524.1	524.1	525.0	525.6
27.5°	511.8	511.0	510.7	512.1	512.4
30°	497.8	497.2	496.6	498.1	498.4
32.5°	482.9	482.3	482.0	483.5	483.5
35°	466.8	466.2	465.9	467.7	467.7
37.5°	450.1	449.8	449.2	451.0	451.3
40°	432.5	432.0	431.7	433.4	433.4
42.5°	414.1	413.5	413.8	415.3	415.0
45°	394.8	394.5	394.5	396.2	396.0
47.5°	374.9	374.3	374.6	376.3	375.8
50°	354.1	353.5	353.8	355.6	355.0
52.5°	332.7	332.2	332.7	334.5	334.5
55°	309.6	310.2	310.5	311.4	312.5
57.5°	287.1	287.4	288.6	289.1	290.0
60°	264.0	264.6	265.1	266.3	266.9
62.5°	240.3	241.1	242.9	242.9	243.5
65°	216.6	217.1	218.0	218.9	219.8
67.5°	193.1	193.4	194.9	195.2	196.1
70°	169.2	169.4	170.9	171.2	172.4
72.5°	146.3	146.0	147.2	148.7	148.7
75°	122.9	122.6	123.8	125.0	125.3
77.5°	100.1	99.8	100.7	102.1	102.1
80°	77.6	78.1	78.4	79.6	79.0
82.5°	55.9	56.2	56.5	57.4	56.8
85°	35.4	35.7	35.7	36.6	36.3
87.5°	16.7	16.4	16.4	17.0	16.7
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)