

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: P568392

Luminaire Tested: **22CGTX-20-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568392
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-L930
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

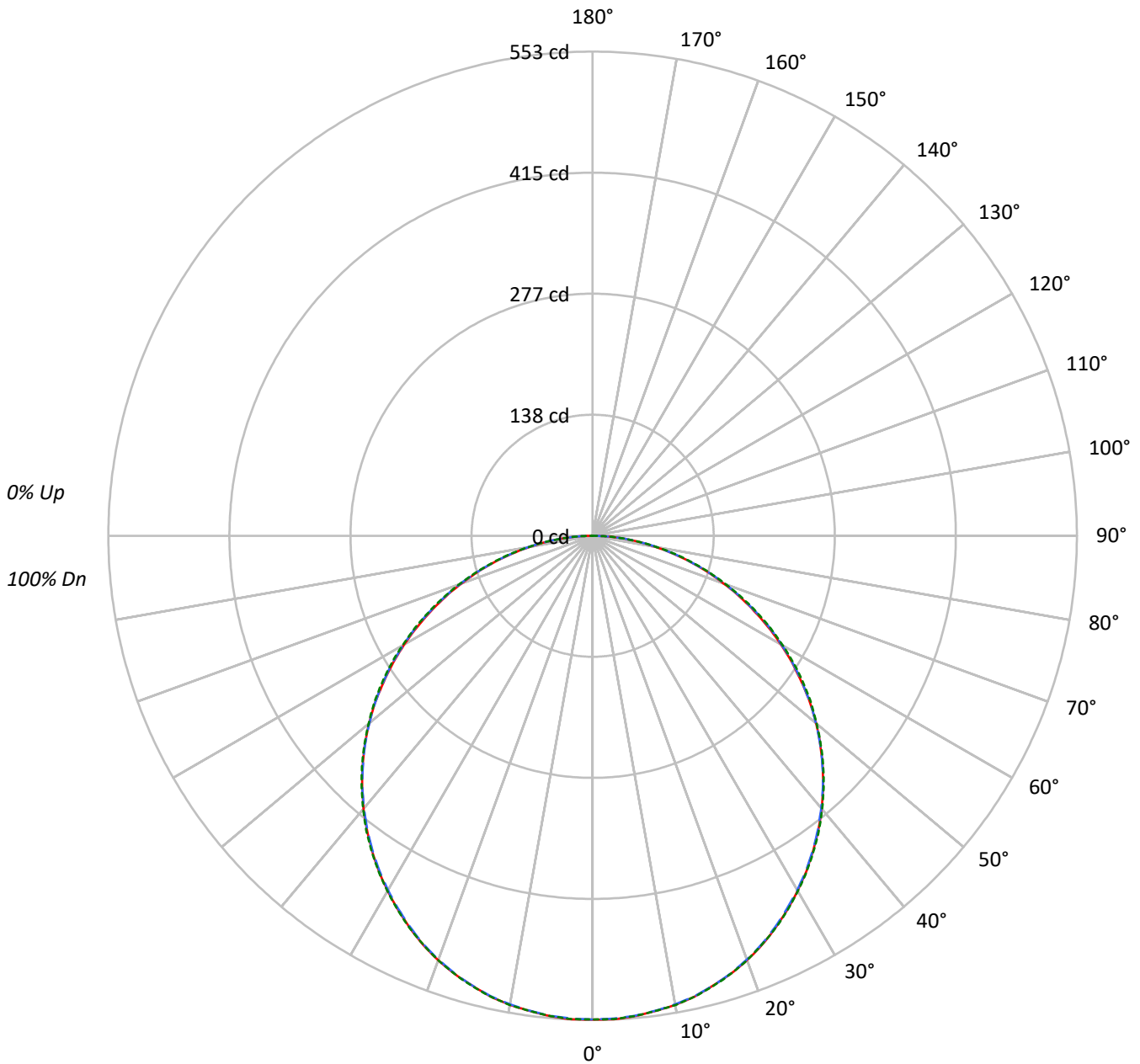
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1617.0 lumens
Efficiency: N/A
Efficacy: 107.1 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°	1487	1487	1487
5°	1488	1487	1487
10°	1486	1485	1487
15°	1482	1482	1483
20°	1477	1475	1477
25°	1467	1464	1468
30°	1455	1452	1457
35°	1442	1440	1445
40°	1429	1426	1432
45°	1413	1412	1418
50°	1394	1393	1398
55°	1367	1370	1379
60°	1336	1342	1351
65°	1297	1306	1316
70°	1252	1265	1275
75°	1202	1210	1225
80°	1131	1144	1151
85°	1028	1037	1053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	3.2
10°-20°	150.1	9.3
20°-30°	227.5	14.1
30°-40°	274.7	17.0
40°-50°	286.6	17.7
50°-60°	261.4	16.2
60°-70°	203.2	12.6
70°-80°	123.2	7.6
80°-90°	38.0	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°	429.9	26.6
0°-40°	704.6	43.6
0°-60°	1252.6	77.5
0°-90°	1617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1617.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	552	552	552	552	552	
5°	551	550	550	550	551	52
15°	532	532	532	532	532	150
25°	494	493	493	494	494	228
35°	439	438	438	440	440	275
45°	371	371	371	373	372	286
55°	291	292	292	293	294	261
65°	204	204	205	206	207	202
75°	116	115	116	118	118	122
85°	33	34	34	34	34	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	552.5	552.5	552.5	552.5	552.5
2.5°	552.8	551.9	551.9	551.7	552.5
5°	550.8	550.0	550.3	550.0	550.6
7.5°	547.5	547.0	547.3	547.0	547.5
10°	544.0	543.4	543.4	543.4	544.2
12.5°	539.0	538.5	538.5	538.5	539.0
15°	531.8	531.8	531.8	531.8	532.4
17.5°	524.7	523.9	524.1	523.9	524.7
20°	515.9	514.8	515.1	515.1	515.9
22.5°	505.7	504.6	504.9	504.9	505.4
25°	494.1	493.0	493.0	493.9	494.4
27.5°	481.5	480.6	480.4	481.7	482.0
30°	468.3	467.7	467.2	468.5	468.8
32.5°	454.2	453.7	453.4	454.8	454.8
35°	439.1	438.5	438.3	439.9	439.9
37.5°	423.4	423.1	422.6	424.2	424.5
40°	406.9	406.3	406.0	407.7	407.7
42.5°	389.5	389.0	389.3	390.6	390.4
45°	371.4	371.1	371.1	372.7	372.5
47.5°	352.6	352.1	352.4	354.0	353.5
50°	333.1	332.5	332.8	334.5	333.9
52.5°	313.0	312.4	313.0	314.7	314.7
55°	291.3	291.8	292.1	292.9	294.0
57.5°	270.1	270.3	271.4	272.0	272.8
60°	248.3	248.9	249.4	250.5	251.1
62.5°	226.0	226.8	228.5	228.5	229.0
65°	203.7	204.3	205.1	205.9	206.7
67.5°	181.7	182.0	183.3	183.6	184.4
70°	159.1	159.4	160.8	161.0	162.1
72.5°	137.6	137.4	138.5	139.8	139.8
75°	115.6	115.3	116.4	117.5	117.8
77.5°	94.1	93.9	94.7	96.1	96.1
80°	73.0	73.5	73.8	74.9	74.3
82.5°	52.6	52.9	53.1	54.0	53.4
85°	33.3	33.6	33.6	34.4	34.1
87.5°	15.7	15.4	15.4	16.0	15.7
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)