

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: P568388

Luminaire Tested: **22CGTX-20-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568388
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-L830
Description: 2X2 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

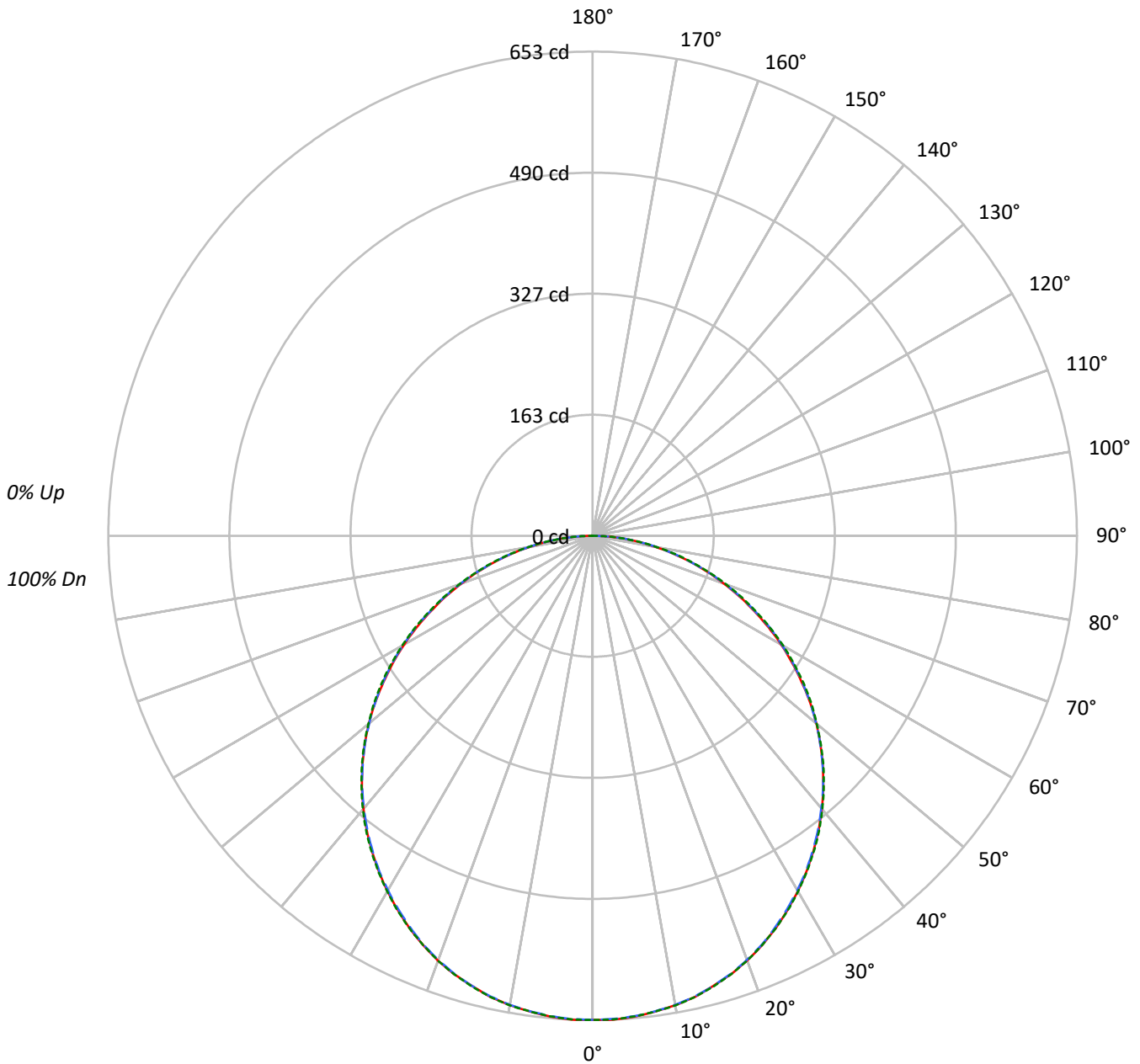
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1911.0 lumens
Efficiency: N/A
Efficacy: 126.6 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°	1757	1757	1757
5°	1759	1757	1758
10°	1757	1755	1758
15°	1751	1751	1753
20°	1746	1743	1746
25°	1734	1730	1735
30°	1720	1716	1721
35°	1705	1701	1708
40°	1689	1686	1692
45°	1670	1669	1675
50°	1648	1647	1652
55°	1615	1620	1630
60°	1580	1587	1597
65°	1533	1543	1556
70°	1479	1495	1507
75°	1420	1431	1447
80°	1336	1351	1361
85°	1216	1226	1244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	3.2
10°-20°	177.4	9.3
20°-30°	268.8	14.1
30°-40°	324.7	17.0
40°-50°	338.7	17.7
50°-60°	308.9	16.2
60°-70°	240.1	12.6
70°-80°	145.6	7.6
80°-90°	44.9	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°	508.0	26.6
0°-40°	832.7	43.6
0°-60°	1480.4	77.5
0°-90°	1911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	653	653	653	653	653	
5°	651	650	650	650	651	62
15°	628	628	628	628	629	178
25°	584	583	583	584	584	269
35°	519	518	518	520	520	325
45°	439	439	439	440	440	339
55°	344	345	345	346	348	308
65°	241	241	242	243	244	238
75°	137	136	138	139	139	144
85°	39	40	40	41	40	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	652.9	652.9	652.9	652.9	652.9
2.5°	653.3	652.3	652.3	652.0	652.9
5°	651.0	650.0	650.3	650.0	650.7
7.5°	647.1	646.4	646.8	646.4	647.1
10°	642.9	642.2	642.2	642.2	643.2
12.5°	637.0	636.4	636.4	636.4	637.0
15°	628.5	628.5	628.5	628.5	629.2
17.5°	620.1	619.1	619.4	619.1	620.1
20°	609.7	608.4	608.7	608.7	609.7
22.5°	597.6	596.3	596.7	596.7	597.3
25°	584.0	582.7	582.7	583.7	584.3
27.5°	569.0	568.0	567.7	569.3	569.7
30°	553.4	552.7	552.1	553.7	554.0
32.5°	536.8	536.2	535.8	537.5	537.5
35°	518.9	518.3	517.9	519.9	519.9
37.5°	500.4	500.0	499.4	501.3	501.7
40°	480.8	480.2	479.9	481.8	481.8
42.5°	460.4	459.7	460.0	461.7	461.3
45°	438.9	438.6	438.6	440.5	440.2
47.5°	416.8	416.1	416.4	418.4	417.7
50°	393.7	393.0	393.3	395.3	394.6
52.5°	369.9	369.3	369.9	371.9	371.9
55°	344.2	344.9	345.2	346.2	347.5
57.5°	319.2	319.5	320.8	321.4	322.4
60°	293.5	294.1	294.8	296.1	296.7
62.5°	267.1	268.1	270.0	270.0	270.7
65°	240.7	241.4	242.4	243.4	244.3
67.5°	214.7	215.0	216.7	217.0	218.0
70°	188.0	188.4	190.0	190.3	191.6
72.5°	162.7	162.3	163.6	165.3	165.3
75°	136.6	136.3	137.6	138.9	139.2
77.5°	111.3	110.9	111.9	113.5	113.5
80°	86.2	86.9	87.2	88.5	87.8
82.5°	62.1	62.5	62.8	63.8	63.1
85°	39.4	39.7	39.7	40.7	40.3
87.5°	18.5	18.2	18.2	18.9	18.5
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)