

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: P568340

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568340
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-20HE-L830
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

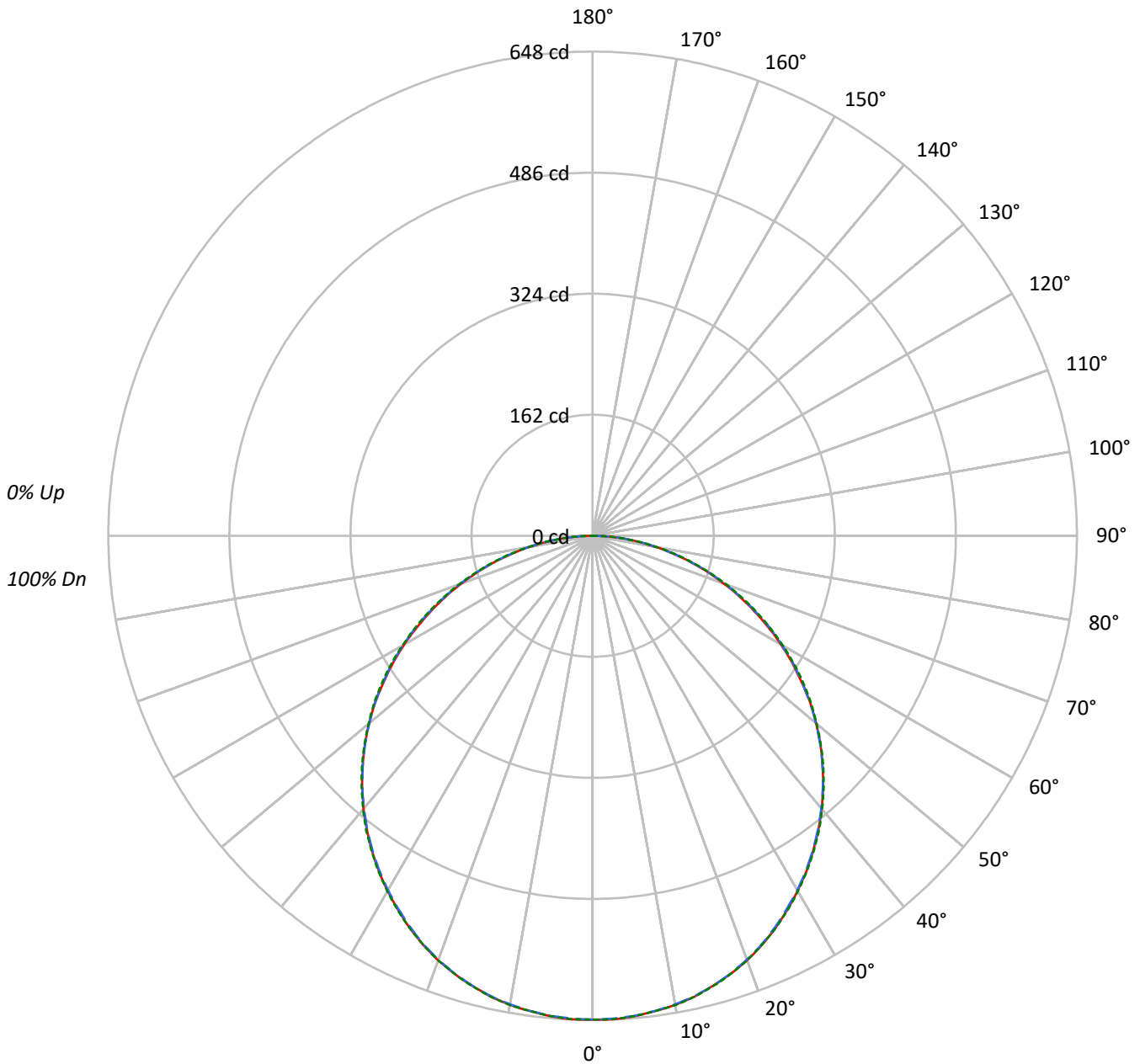
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1895.0 lumens
Efficiency: N/A
Efficacy: 128.0 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): 14.8
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°	1742	1742	1742
5°	1744	1742	1743
10°	1742	1740	1743
15°	1736	1736	1738
20°	1731	1729	1731
25°	1719	1716	1720
30°	1705	1701	1707
35°	1691	1687	1693
40°	1675	1672	1678
45°	1656	1655	1661
50°	1634	1633	1638
55°	1601	1606	1616
60°	1566	1573	1583
65°	1520	1530	1543
70°	1467	1482	1495
75°	1409	1419	1436
80°	1325	1340	1350
85°	1204	1216	1235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	3.2
10°-20°	175.9	9.3
20°-30°	266.6	14.1
30°-40°	321.9	17.0
40°-50°	335.9	17.7
50°-60°	306.3	16.2
60°-70°	238.1	12.6
70°-80°	144.4	7.6
80°-90°	44.5	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°	503.8	26.6
0°-40°	825.7	43.6
0°-60°	1468.0	77.5
0°-90°	1895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	648	648	648	648	648	
5°	646	645	645	645	645	61
15°	623	623	623	623	624	176
25°	579	578	578	579	579	267
35°	515	514	514	516	516	322
45°	435	435	435	437	436	336
55°	341	342	342	343	344	305
65°	239	239	240	241	242	236
75°	136	135	136	138	138	143
85°	39	39	39	40	40	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	647.5	647.5	647.5	647.5	647.5
2.5°	647.8	646.8	646.8	646.5	647.5
5°	645.5	644.6	644.9	644.6	645.2
7.5°	641.7	641.0	641.4	641.0	641.7
10°	637.5	636.8	636.8	636.8	637.8
12.5°	631.7	631.0	631.0	631.0	631.7
15°	623.3	623.3	623.3	623.3	623.9
17.5°	614.9	613.9	614.3	613.9	614.9
20°	604.6	603.3	603.6	603.6	604.6
22.5°	592.6	591.3	591.7	591.7	592.3
25°	579.1	577.8	577.8	578.8	579.4
27.5°	564.2	563.3	563.0	564.6	564.9
30°	548.8	548.1	547.5	549.1	549.4
32.5°	532.3	531.7	531.3	533.0	533.0
35°	514.6	513.9	513.6	515.5	515.5
37.5°	496.2	495.9	495.2	497.1	497.5
40°	476.8	476.2	475.9	477.8	477.8
42.5°	456.5	455.9	456.2	457.8	457.5
45°	435.2	434.9	434.9	436.8	436.5
47.5°	413.3	412.6	412.9	414.9	414.2
50°	390.4	389.7	390.0	392.0	391.3
52.5°	366.8	366.2	366.8	368.7	368.7
55°	341.3	342.0	342.3	343.3	344.5
57.5°	316.5	316.8	318.1	318.7	319.7
60°	291.0	291.6	292.3	293.6	294.2
62.5°	264.9	265.8	267.8	267.8	268.4
65°	238.7	239.4	240.3	241.3	242.3
67.5°	212.9	213.2	214.9	215.2	216.2
70°	186.5	186.8	188.4	188.7	190.0
72.5°	161.3	161.0	162.3	163.9	163.9
75°	135.5	135.2	136.5	137.8	138.1
77.5°	110.3	110.0	111.0	112.6	112.6
80°	85.5	86.1	86.5	87.8	87.1
82.5°	61.6	61.9	62.3	63.2	62.6
85°	39.0	39.4	39.4	40.3	40.0
87.5°	18.4	18.1	18.1	18.7	18.4
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)