

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: P568316

Luminaire Tested: **14CGTX-20-L830**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTX-20-L830
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

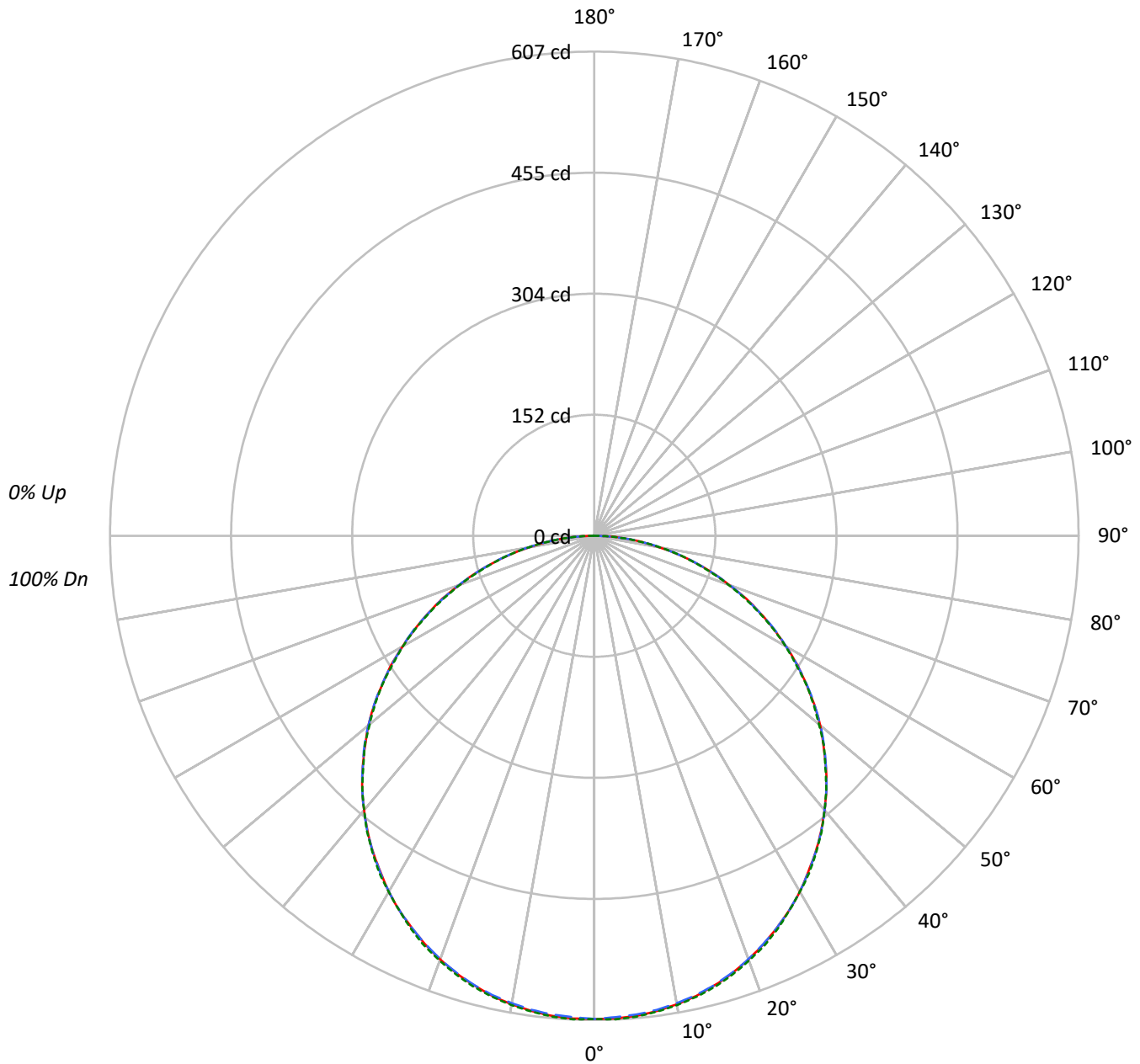
Lumens per Lamp: N/A
Luminaire Lumens: 1791.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	93	90	93	90	88	89	87	85	83		
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68		
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57		
4	82	69	60	54	79	68	60	53	66	58	52	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	44	39	50	44	39	37		
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32		
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1630	1630	1630
5°	1632	1628	1635
10°	1630	1626	1633
15°	1625	1624	1630
20°	1619	1617	1623
25°	1609	1609	1614
30°	1601	1601	1601
35°	1589	1590	1592
40°	1577	1577	1577
45°	1563	1562	1558
50°	1548	1548	1539
55°	1521	1525	1519
60°	1494	1494	1490
65°	1461	1460	1452
70°	1414	1421	1405
75°	1369	1371	1353
80°	1272	1294	1294
85°	1198	1186	1164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	3.2
10°-20°	164.8	9.2
20°-30°	250.2	14.0
30°-40°	302.9	16.9
40°-50°	316.9	17.7
50°-60°	290.2	16.2
60°-70°	227.0	12.7
70°-80°	138.8	7.8
80°-90°	42.8	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°	472.4	26.4
0°-40°	775.3	43.3
0°-60°	1382.4	77.2
0°-90°	1791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	606	606	606	606	606	
5°	604	604	602	604	605	57
15°	583	584	583	584	585	165
25°	542	543	542	543	544	250
35°	484	484	484	485	485	303
45°	411	411	410	410	409	317
55°	324	326	325	324	324	290
65°	230	231	229	228	228	227
75°	132	131	132	131	130	139
85°	39	38	38	38	38	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	605.8	605.8	605.8	605.8	605.8
2.5°	605.8	605.8	604.0	606.3	606.7
5°	604.2	604.2	602.5	604.5	605.1
7.5°	600.9	601.1	599.5	601.6	601.8
10°	596.4	596.6	595.0	597.3	597.5
12.5°	590.8	591.0	589.7	591.7	591.9
15°	583.4	583.8	582.9	584.5	585.2
17.5°	574.9	575.5	574.4	576.4	576.7
20°	565.2	565.4	564.8	566.3	566.8
22.5°	554.2	554.9	553.8	555.8	556.5
25°	541.9	543.0	541.9	543.2	543.7
27.5°	529.3	530.2	529.3	530.0	529.5
30°	515.4	515.6	515.2	515.4	515.4
32.5°	499.2	500.1	499.7	500.8	501.3
35°	483.8	484.0	484.0	484.7	484.7
37.5°	466.9	466.9	467.2	467.8	467.8
40°	449.0	449.4	449.0	449.4	449.0
42.5°	430.8	430.6	430.8	431.0	430.4
45°	410.6	411.3	410.4	410.4	409.3
47.5°	389.7	391.1	390.9	390.2	390.4
50°	369.8	370.2	369.8	369.1	367.5
52.5°	347.6	348.9	347.8	348.0	346.2
55°	324.2	326.5	325.1	324.2	323.8
57.5°	302.0	302.7	301.3	300.2	299.5
60°	277.6	278.5	277.6	276.7	276.9
62.5°	253.5	254.9	255.1	253.3	252.9
65°	229.5	230.7	229.3	228.4	228.0
67.5°	206.2	206.0	204.9	203.7	203.3
70°	179.7	181.3	180.6	180.8	178.6
72.5°	156.2	156.4	155.7	155.7	153.9
75°	131.7	131.0	131.9	131.0	130.1
77.5°	107.5	108.2	107.9	106.8	107.7
80°	82.1	83.0	83.5	82.6	83.5
82.5°	60.8	60.8	60.6	60.6	59.9
85°	38.8	37.5	38.4	37.5	37.7
87.5°	17.7	17.5	16.6	17.3	17.1
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)