

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: P568328

Luminaire Tested: **14CGTX-20-L840**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568328
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-L840
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

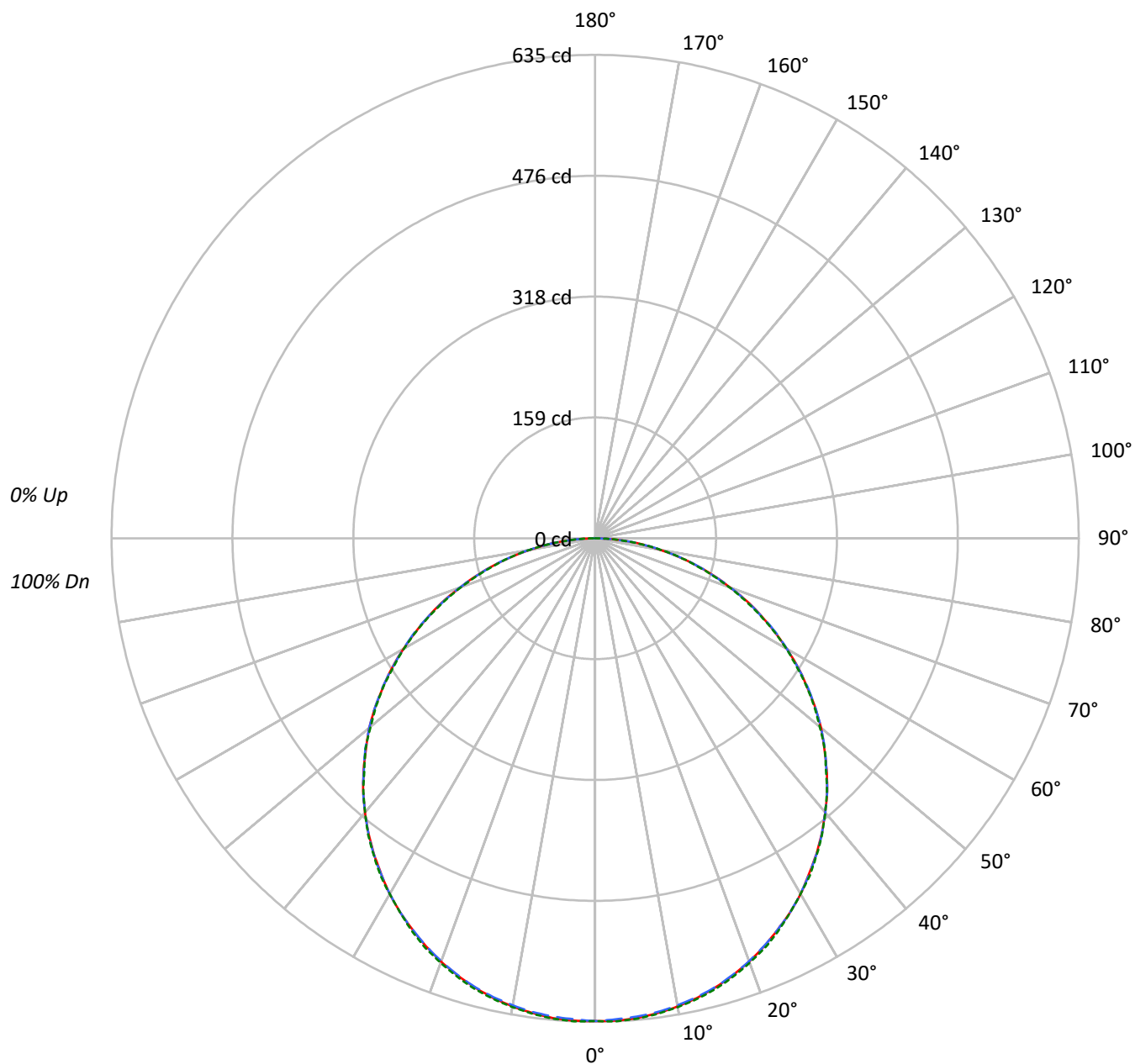
Lumens per Lamp: N/A
Luminaire Lumens: 1875.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
Input Voltage (V): NR
Input Current (Ain): 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	69		
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°	1707	1707	1707
5°	1709	1704	1711
10°	1706	1702	1709
15°	1701	1700	1707
20°	1694	1693	1699
25°	1684	1684	1690
30°	1677	1676	1677
35°	1664	1665	1667
40°	1651	1651	1651
45°	1636	1635	1631
50°	1621	1621	1611
55°	1592	1597	1590
60°	1564	1564	1560
65°	1530	1529	1520
70°	1481	1488	1471
75°	1434	1436	1416
80°	1333	1354	1354
85°	1254	1241	1220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	3.2
10°-20°	172.5	9.2
20°-30°	261.9	14.0
30°-40°	317.1	16.9
40°-50°	331.8	17.7
50°-60°	303.9	16.2
60°-70°	237.6	12.7
70°-80°	145.3	7.8
80°-90°	44.8	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°	494.5	26.4
0°-40°	811.7	43.3
0°-60°	1447.3	77.2
0°-90°	1875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1875.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	633	633	631	633	634	60
15°	611	611	610	612	613	172
25°	567	568	567	569	569	262
35°	506	507	507	507	507	317
45°	430	431	430	430	428	332
55°	339	342	340	339	339	304
65°	240	242	240	239	239	238
75°	138	137	138	137	136	145
85°	41	39	40	39	40	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.2	634.2	634.2	634.2	634.2
2.5°	634.2	634.2	632.4	634.7	635.2
5°	632.6	632.6	630.7	632.8	633.5
7.5°	629.1	629.3	627.7	629.8	630.0
10°	624.4	624.6	623.0	625.3	625.5
12.5°	618.5	618.7	617.3	619.4	619.7
15°	610.7	611.2	610.3	611.9	612.6
17.5°	601.8	602.5	601.3	603.5	603.7
20°	591.7	592.0	591.2	592.9	593.4
22.5°	580.2	580.9	579.7	581.9	582.6
25°	567.3	568.5	567.3	568.7	569.2
27.5°	554.1	555.1	554.1	554.8	554.4
30°	539.6	539.8	539.3	539.6	539.6
32.5°	522.7	523.6	523.1	524.3	524.8
35°	506.4	506.7	506.7	507.4	507.4
37.5°	488.8	488.8	489.1	489.8	489.8
40°	470.0	470.5	470.0	470.5	470.0
42.5°	451.0	450.8	451.0	451.2	450.5
45°	429.9	430.6	429.6	429.6	428.5
47.5°	408.0	409.4	409.2	408.5	408.7
50°	387.1	387.6	387.1	386.4	384.8
52.5°	363.9	365.3	364.1	364.3	362.5
55°	339.4	341.8	340.4	339.4	339.0
57.5°	316.2	316.9	315.5	314.3	313.6
60°	290.6	291.5	290.6	289.6	289.9
62.5°	265.4	266.8	267.1	265.2	264.7
65°	240.3	241.5	240.1	239.1	238.7
67.5°	215.9	215.6	214.5	213.3	212.8
70°	188.2	189.8	189.1	189.3	187.0
72.5°	163.5	163.7	163.0	163.0	161.1
75°	137.9	137.2	138.1	137.2	136.2
77.5°	112.5	113.2	113.0	111.8	112.8
80°	86.0	86.9	87.4	86.4	87.4
82.5°	63.7	63.7	63.4	63.4	62.7
85°	40.6	39.2	40.2	39.2	39.5
87.5°	18.6	18.3	17.4	18.1	17.9
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)