

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: P568322

Luminaire Tested: **14CGTX-20-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568322
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-L835
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

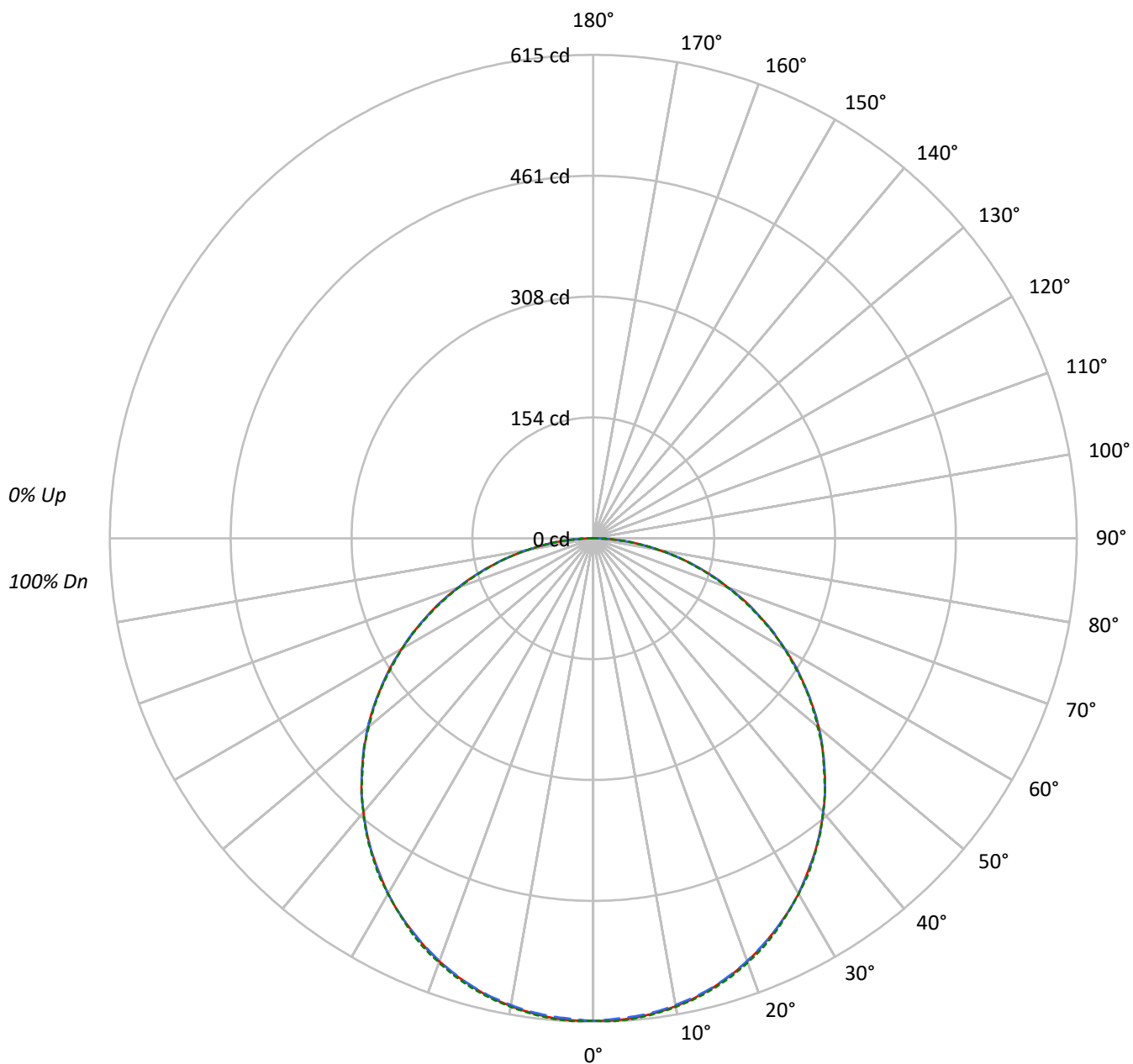
Lumens per Lamp: N/A
Luminaire Lumens: 1815.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P568322

CATALOG NUMBER: 14CGTX-20-L835

Luminous Intensity Polar Plot





TEST NUMBER: P568322

CATALOG NUMBER: 14CGTX-20-L835

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°	1652	1652	1652
5°	1654	1649	1657
10°	1652	1648	1655
15°	1647	1646	1652
20°	1640	1639	1645
25°	1630	1630	1636
30°	1623	1622	1623
35°	1610	1611	1614
40°	1598	1598	1598
45°	1584	1583	1578
50°	1569	1569	1559
55°	1542	1546	1539
60°	1514	1514	1510
65°	1481	1480	1471
70°	1433	1440	1424
75°	1388	1390	1371
80°	1289	1311	1311
85°	1213	1201	1179



TEST NUMBER: P568322

CATALOG NUMBER: 14CGTX-20-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	3.2
10°-20°	167.0	9.2
20°-30°	253.5	14.0
30°-40°	307.0	16.9
40°-50°	321.1	17.7
50°-60°	294.1	16.2
60°-70°	230.0	12.7
70°-80°	140.7	7.8
80°-90°	43.3	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°	478.7	26.4
0°-40°	785.7	43.3
0°-60°	1401.0	77.2
0°-90°	1815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	614	614	614	614	614	
5°	612	612	610	613	613	58
15°	591	592	591	592	593	167
25°	549	550	549	550	551	253
35°	490	490	490	491	491	307
45°	416	417	416	416	415	321
55°	329	331	330	329	328	294
65°	233	234	232	232	231	230
75°	134	133	134	133	132	141
85°	39	38	39	38	38	44
90°	0	0	0	0	0	



TEST NUMBER: P568322

CATALOG NUMBER: 14CGTX-20-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	613.9	613.9	613.9	613.9	613.9
2.5°	613.9	613.9	612.1	614.4	614.8
5°	612.3	612.3	610.5	612.6	613.3
7.5°	608.9	609.2	607.6	609.6	609.8
10°	604.4	604.6	603.0	605.3	605.5
12.5°	598.7	598.9	597.6	599.6	599.8
15°	591.2	591.7	590.7	592.3	593.0
17.5°	582.6	583.2	582.1	584.2	584.4
20°	572.8	573.0	572.3	573.9	574.4
22.5°	561.6	562.3	561.2	563.2	563.9
25°	549.1	550.3	549.1	550.5	551.0
27.5°	536.4	537.3	536.4	537.1	536.6
30°	522.3	522.5	522.1	522.3	522.3
32.5°	505.9	506.8	506.4	507.5	508.0
35°	490.2	490.5	490.5	491.2	491.2
37.5°	473.2	473.2	473.4	474.1	474.1
40°	455.0	455.5	455.0	455.5	455.0
42.5°	436.6	436.4	436.6	436.8	436.1
45°	416.1	416.8	415.9	415.9	414.7
47.5°	395.0	396.3	396.1	395.4	395.6
50°	374.7	375.2	374.7	374.0	372.5
52.5°	352.2	353.6	352.4	352.7	350.9
55°	328.6	330.8	329.5	328.6	328.1
57.5°	306.1	306.7	305.4	304.2	303.6
60°	281.3	282.2	281.3	280.4	280.6
62.5°	256.9	258.3	258.5	256.7	256.3
65°	232.6	233.8	232.4	231.5	231.0
67.5°	209.0	208.7	207.6	206.5	206.0
70°	182.1	183.7	183.0	183.3	181.0
72.5°	158.3	158.5	157.8	157.8	156.0
75°	133.5	132.8	133.7	132.8	131.9
77.5°	108.9	109.6	109.4	108.2	109.1
80°	83.2	84.1	84.6	83.7	84.6
82.5°	61.6	61.6	61.4	61.4	60.7
85°	39.3	38.0	38.9	38.0	38.2
87.5°	18.0	17.7	16.8	17.5	17.3
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)