

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: P568325

Luminaire Tested: **14CGTX-20-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568325
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-L935
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

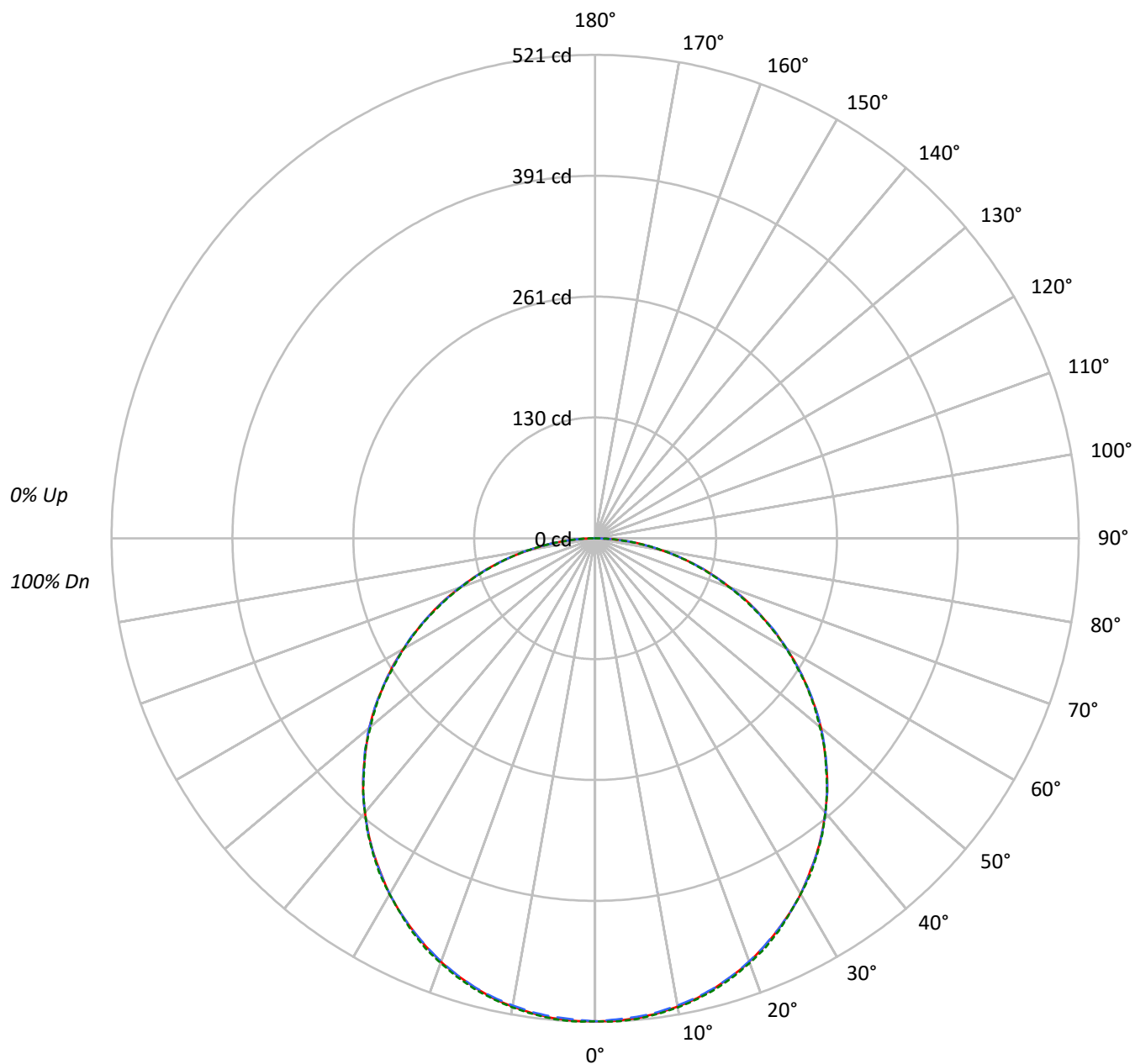
Lumens per Lamp: N/A
Luminaire Lumens: 1539.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1401	1401	1401
5°	1402	1398	1405
10°	1400	1397	1403
15°	1397	1395	1401
20°	1391	1390	1395
25°	1382	1382	1387
30°	1376	1376	1376
35°	1366	1366	1368
40°	1355	1355	1355
45°	1343	1342	1338
50°	1330	1330	1322
55°	1307	1311	1305
60°	1284	1284	1280
65°	1256	1254	1247
70°	1215	1221	1208
75°	1177	1179	1162
80°	1094	1111	1111
85°	1031	1019	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	3.2
10°-20°	141.6	9.2
20°-30°	215.0	14.0
30°-40°	260.3	16.9
40°-50°	272.3	17.7
50°-60°	249.4	16.2
60°-70°	195.1	12.7
70°-80°	119.3	7.8
80°-90°	36.8	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°	405.9	26.4
0°-40°	666.2	43.3
0°-60°	1187.9	77.2
0°-90°	1539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	519	519	518	519	520	49
15°	501	502	501	502	503	141
25°	466	467	466	467	467	215
35°	416	416	416	416	416	260
45°	353	353	353	353	352	272
55°	279	280	279	279	278	249
65°	197	198	197	196	196	195
75°	113	113	113	113	112	119
85°	33	32	33	32	32	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	520.6	520.6	520.6	520.6	520.6
2.5°	520.6	520.6	519.0	521.0	521.3
5°	519.2	519.2	517.7	519.4	520.0
7.5°	516.3	516.5	515.2	516.9	517.1
10°	512.5	512.7	511.3	513.3	513.4
12.5°	507.7	507.9	506.7	508.4	508.6
15°	501.3	501.7	500.9	502.3	502.8
17.5°	494.0	494.5	493.6	495.3	495.5
20°	485.7	485.9	485.3	486.6	487.0
22.5°	476.2	476.8	475.8	477.6	478.2
25°	465.6	466.6	465.6	466.8	467.2
27.5°	454.8	455.6	454.8	455.4	455.0
30°	442.9	443.1	442.7	442.9	442.9
32.5°	429.0	429.8	429.4	430.3	430.7
35°	415.7	415.9	415.9	416.5	416.5
37.5°	401.2	401.2	401.4	402.0	402.0
40°	385.8	386.2	385.8	386.2	385.8
42.5°	370.2	370.0	370.2	370.4	369.8
45°	352.8	353.4	352.6	352.6	351.7
47.5°	334.9	336.1	335.9	335.3	335.5
50°	317.7	318.1	317.7	317.2	315.8
52.5°	298.7	299.8	298.9	299.0	297.5
55°	278.6	280.5	279.4	278.6	278.2
57.5°	259.5	260.1	258.9	258.0	257.4
60°	238.5	239.3	238.5	237.7	237.9
62.5°	217.9	219.0	219.2	217.7	217.3
65°	197.2	198.2	197.0	196.3	195.9
67.5°	177.2	177.0	176.0	175.1	174.7
70°	154.4	155.8	155.2	155.4	153.5
72.5°	134.2	134.4	133.8	133.8	132.3
75°	113.2	112.6	113.4	112.6	111.8
77.5°	92.4	92.9	92.7	91.8	92.5
80°	70.6	71.3	71.7	71.0	71.7
82.5°	52.3	52.3	52.1	52.1	51.5
85°	33.4	32.2	33.0	32.2	32.4
87.5°	15.2	15.0	14.3	14.8	14.7
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)