

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: P568319

Luminaire Tested: **14CGTX-20-L930**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568319
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-L930
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

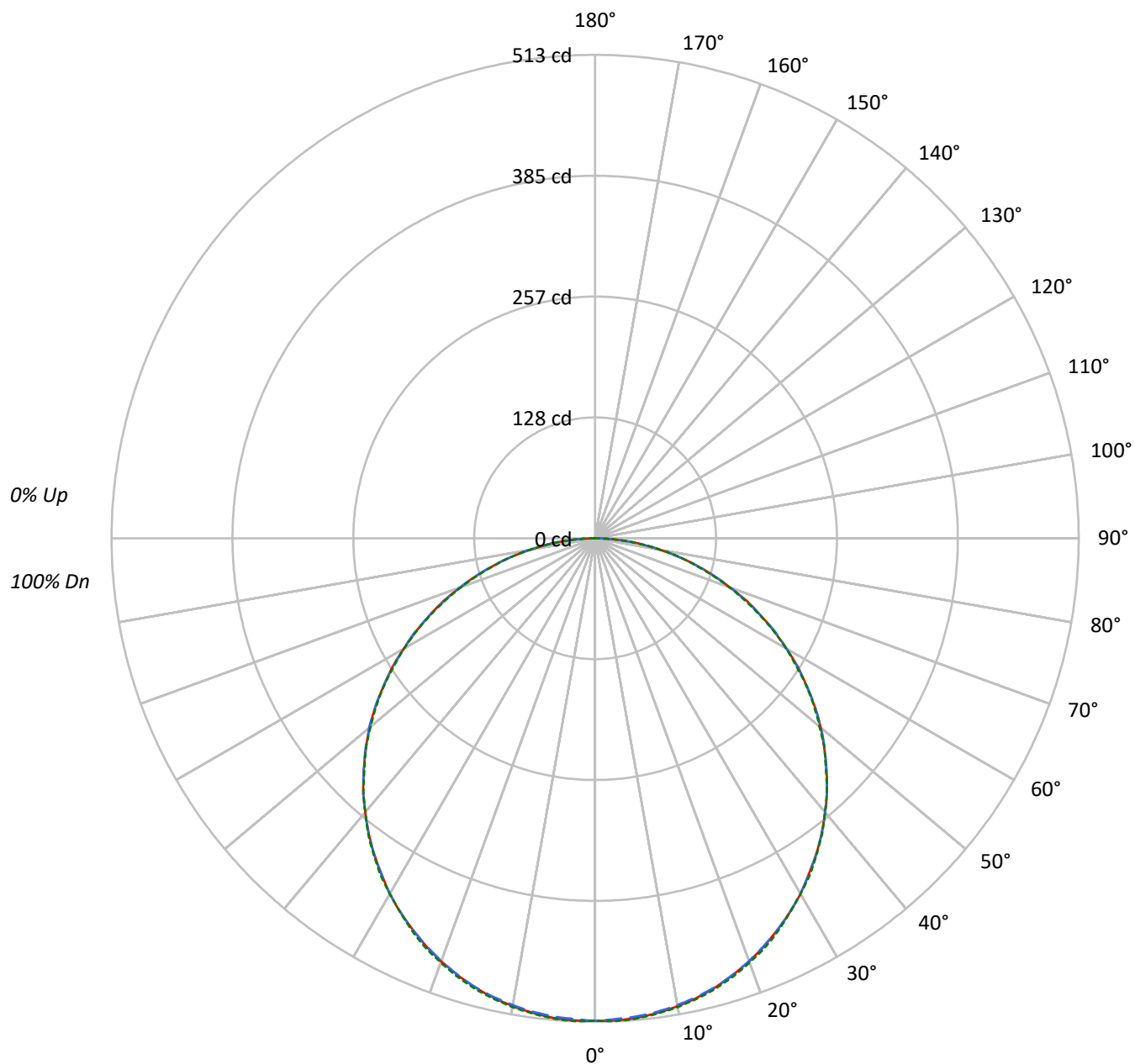
Lumens per Lamp: N/A
Luminaire Lumens: 1514.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
Input Voltage (V): NR
Input Current (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	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°	1378	1378	1378
5°	1380	1376	1382
10°	1378	1374	1380
15°	1374	1373	1378
20°	1368	1367	1372
25°	1360	1360	1365
30°	1354	1353	1354
35°	1343	1344	1346
40°	1333	1333	1333
45°	1321	1320	1317
50°	1309	1309	1301
55°	1286	1289	1284
60°	1263	1263	1260
65°	1235	1234	1227
70°	1195	1201	1188
75°	1157	1159	1144
80°	1075	1094	1094
85°	1013	1000	985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	3.2
10°-20°	139.3	9.2
20°-30°	211.5	14.0
30°-40°	256.1	16.9
40°-50°	267.9	17.7
50°-60°	245.4	16.2
60°-70°	191.9	12.7
70°-80°	117.3	7.8
80°-90°	36.1	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°	399.3	26.4
0°-40°	655.4	43.3
0°-60°	1168.6	77.2
0°-90°	1514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	511	511	509	511	512	49
15°	493	494	493	494	495	139
25°	458	459	458	459	460	211
35°	409	409	409	410	410	256
45°	347	348	347	347	346	268
55°	274	276	275	274	274	245
65°	194	195	194	193	193	192
75°	111	111	112	111	110	117
85°	33	32	32	32	32	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	512.1	512.1	512.1	512.1	512.1
2.5°	512.1	512.1	510.6	512.5	512.9
5°	510.8	510.8	509.3	511.0	511.6
7.5°	507.9	508.1	506.8	508.5	508.7
10°	504.2	504.3	503.0	504.9	505.1
12.5°	499.4	499.6	498.5	500.2	500.4
15°	493.2	493.5	492.8	494.1	494.7
17.5°	485.9	486.5	485.6	487.3	487.5
20°	477.8	478.0	477.4	478.7	479.1
22.5°	468.5	469.1	468.1	469.8	470.4
25°	458.1	459.0	458.1	459.2	459.6
27.5°	447.4	448.2	447.4	448.0	447.6
30°	435.7	435.9	435.5	435.7	435.7
32.5°	422.0	422.8	422.4	423.4	423.7
35°	408.9	409.1	409.1	409.7	409.7
37.5°	394.7	394.7	394.9	395.5	395.5
40°	379.5	379.9	379.5	379.9	379.5
42.5°	364.2	364.0	364.2	364.4	363.8
45°	347.1	347.7	346.9	346.9	346.0
47.5°	329.5	330.6	330.4	329.8	330.0
50°	312.6	313.0	312.6	312.0	310.7
52.5°	293.8	294.9	294.0	294.2	292.7
55°	274.1	276.0	274.8	274.1	273.7
57.5°	255.3	255.9	254.7	253.8	253.2
60°	234.6	235.4	234.6	233.9	234.1
62.5°	214.3	215.5	215.7	214.1	213.8
65°	194.0	195.0	193.8	193.1	192.7
67.5°	174.3	174.1	173.2	172.2	171.8
70°	151.9	153.3	152.7	152.9	151.0
72.5°	132.0	132.2	131.6	131.6	130.1
75°	111.3	110.8	111.5	110.8	110.0
77.5°	90.9	91.4	91.2	90.3	91.0
80°	69.4	70.2	70.6	69.8	70.6
82.5°	51.4	51.4	51.2	51.2	50.6
85°	32.8	31.7	32.4	31.7	31.9
87.5°	15.0	14.8	14.0	14.6	14.4
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)