

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: P568331

Luminaire Tested: **14CGTX-20-L940**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568331
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-L940
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

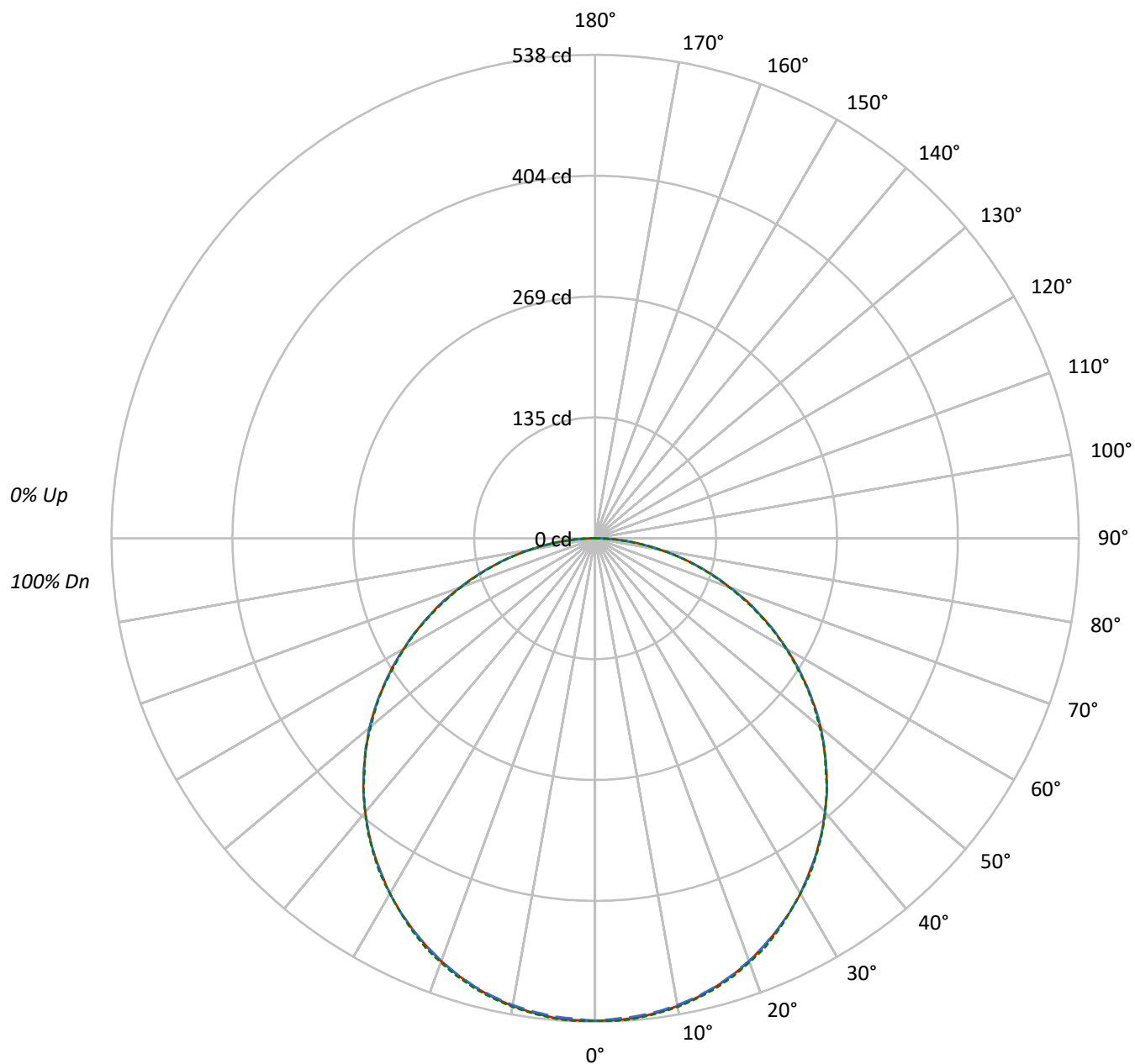
Lumens per Lamp: N/A
Luminaire Lumens: 1587.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P568331

CATALOG NUMBER: 14CGTX-20-L940

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					0
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°	1445	1445	1445
5°	1446	1442	1448
10°	1444	1441	1447
15°	1440	1439	1444
20°	1434	1433	1438
25°	1426	1426	1430
30°	1419	1418	1419
35°	1408	1409	1411
40°	1397	1397	1397
45°	1384	1384	1380
50°	1372	1372	1364
55°	1348	1352	1346
60°	1323	1323	1320
65°	1295	1294	1286
70°	1253	1260	1245
75°	1213	1215	1199
80°	1128	1147	1147
85°	1062	1050	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	3.2
10°-20°	146.0	9.2
20°-30°	221.7	14.0
30°-40°	268.4	16.9
40°-50°	280.8	17.7
50°-60°	257.2	16.2
60°-70°	201.1	12.7
70°-80°	123.0	7.8
80°-90°	37.9	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°	418.6	26.4
0°-40°	687.0	43.3
0°-60°	1225.0	77.2
0°-90°	1587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1587.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	535	535	534	536	536	51
15°	517	517	516	518	518	146
25°	480	481	480	481	482	221
35°	429	429	429	430	430	268
45°	364	364	364	364	363	281
55°	287	289	288	287	287	257
65°	203	204	203	202	202	201
75°	117	116	117	116	115	123
85°	34	33	34	33	33	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.8	536.8	536.8	536.8	536.8
2.5°	536.8	536.8	535.2	537.2	537.6
5°	535.4	535.4	533.8	535.6	536.2
7.5°	532.4	532.6	531.2	533.0	533.2
10°	528.5	528.7	527.3	529.3	529.5
12.5°	523.5	523.7	522.5	524.3	524.5
15°	516.9	517.3	516.5	517.9	518.5
17.5°	509.4	510.0	509.0	510.8	511.0
20°	500.8	501.0	500.4	501.8	502.2
22.5°	491.1	491.7	490.7	492.5	493.1
25°	480.2	481.1	480.2	481.3	481.7
27.5°	469.0	469.8	469.0	469.6	469.2
30°	456.7	456.9	456.5	456.7	456.7
32.5°	442.4	443.2	442.8	443.8	444.2
35°	428.7	428.9	428.9	429.5	429.5
37.5°	413.7	413.7	413.9	414.5	414.5
40°	397.8	398.2	397.8	398.2	397.8
42.5°	381.7	381.5	381.7	381.9	381.3
45°	363.8	364.4	363.6	363.6	362.6
47.5°	345.4	346.5	346.3	345.7	345.9
50°	327.7	328.1	327.7	327.1	325.7
52.5°	308.0	309.2	308.2	308.4	306.8
55°	287.3	289.3	288.1	287.3	286.9
57.5°	267.6	268.2	267.0	266.0	265.4
60°	245.9	246.7	245.9	245.1	245.3
62.5°	224.7	225.9	226.1	224.5	224.1
65°	203.4	204.4	203.2	202.4	202.0
67.5°	182.7	182.5	181.5	180.5	180.1
70°	159.3	160.6	160.1	160.2	158.3
72.5°	138.4	138.6	138.0	138.0	136.4
75°	116.7	116.1	116.9	116.1	115.3
77.5°	95.2	95.8	95.6	94.6	95.4
80°	72.8	73.6	74.0	73.2	74.0
82.5°	53.9	53.9	53.7	53.7	53.1
85°	34.4	33.2	34.0	33.2	33.4
87.5°	15.7	15.5	14.7	15.3	15.1
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)