

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: P568311

Luminaire Tested: **14CGTX-20HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568311
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-20HE-L950
Description: 1X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

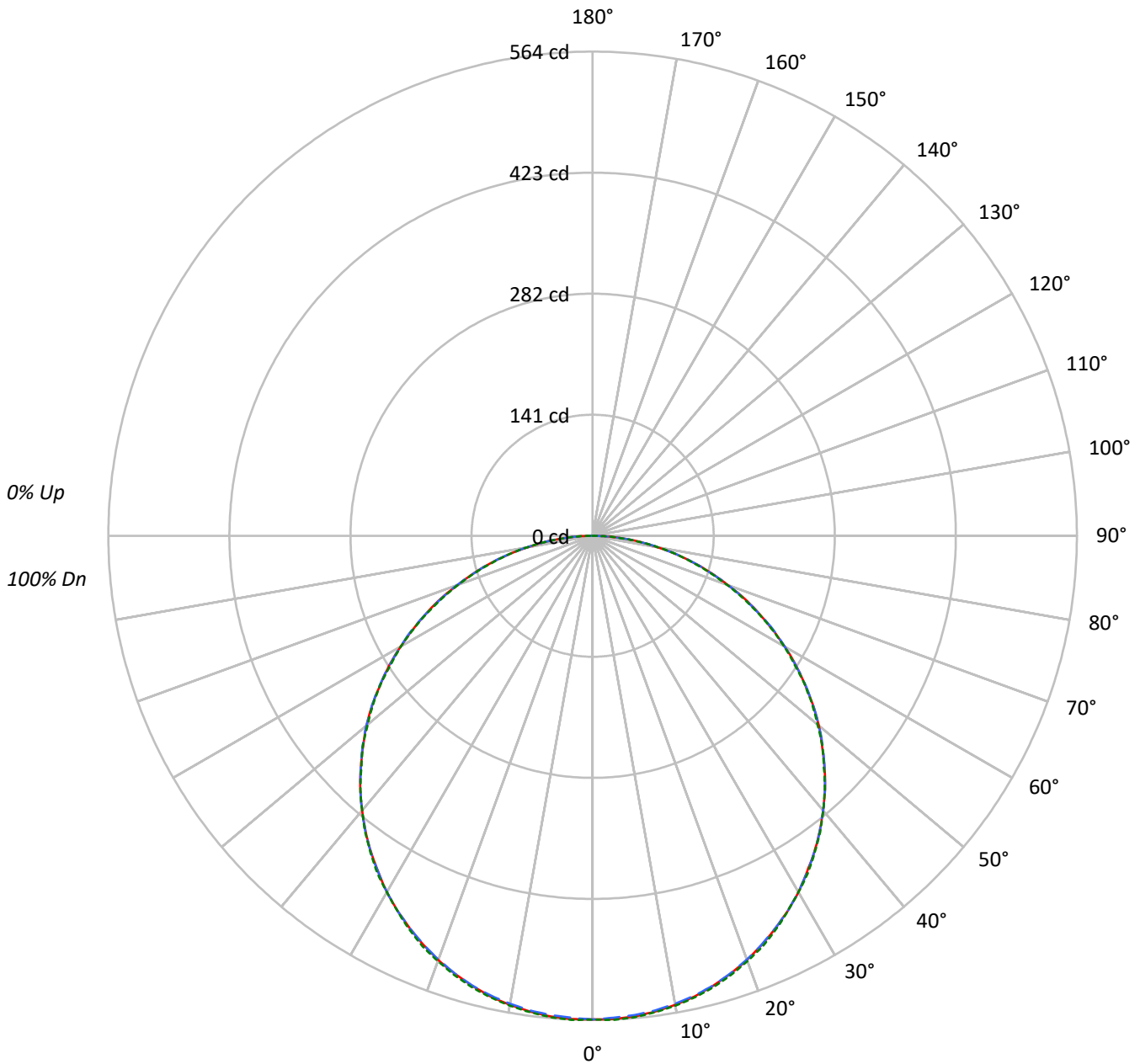
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1666.0 lumens
Efficiency: N/A
Efficacy: 112.6 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): 14.8
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: P568311
CATALOG NUMBER: 14CGTX-20HE-L950

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
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°	1516	1516	1516
5°	1518	1514	1521
10°	1516	1512	1519
15°	1512	1511	1516
20°	1506	1504	1510
25°	1497	1497	1502
30°	1490	1489	1490
35°	1478	1479	1481
40°	1467	1467	1467
45°	1454	1453	1449
50°	1440	1440	1431
55°	1415	1419	1413
60°	1390	1390	1386
65°	1359	1358	1351
70°	1316	1322	1307
75°	1274	1276	1259
80°	1184	1203	1203
85°	1115	1102	1084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	3.2
10°-20°	153.3	9.2
20°-30°	232.7	14.0
30°-40°	281.8	16.9
40°-50°	294.8	17.7
50°-60°	270.0	16.2
60°-70°	211.2	12.7
70°-80°	129.1	7.8
80°-90°	39.8	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°	439.4	26.4
0°-40°	721.2	43.3
0°-60°	1285.9	77.2
0°-90°	1666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	564	564	564	564	564	
5°	562	562	560	562	563	53
15°	543	543	542	544	544	153
25°	504	505	504	505	506	232
35°	450	450	450	451	451	282
45°	382	383	382	382	381	295
55°	302	304	302	302	301	270
65°	214	215	213	212	212	211
75°	122	122	123	122	121	129
85°	36	35	36	35	35	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	563.5	563.5	563.5	563.5	563.5
2.5°	563.5	563.5	561.9	564.0	564.4
5°	562.1	562.1	560.4	562.3	562.9
7.5°	558.9	559.2	557.7	559.6	559.8
10°	554.8	555.0	553.5	555.6	555.8
12.5°	549.6	549.8	548.5	550.4	550.6
15°	542.7	543.1	542.2	543.7	544.3
17.5°	534.7	535.4	534.3	536.2	536.4
20°	525.8	526.0	525.3	526.8	527.2
22.5°	515.5	516.2	515.1	517.0	517.6
25°	504.1	505.1	504.1	505.3	505.7
27.5°	492.4	493.2	492.4	493.0	492.6
30°	479.4	479.6	479.2	479.4	479.4
32.5°	464.4	465.2	464.8	465.9	466.3
35°	450.0	450.2	450.2	450.8	450.8
37.5°	434.3	434.3	434.5	435.2	435.2
40°	417.6	418.1	417.6	418.1	417.6
42.5°	400.7	400.5	400.7	400.9	400.3
45°	382.0	382.6	381.7	381.7	380.7
47.5°	362.5	363.8	363.6	363.0	363.2
50°	344.0	344.4	344.0	343.3	341.9
52.5°	323.3	324.6	323.5	323.7	322.1
55°	301.6	303.7	302.4	301.6	301.2
57.5°	280.9	281.6	280.3	279.3	278.6
60°	258.2	259.0	258.2	257.3	257.6
62.5°	235.9	237.1	237.3	235.6	235.2
65°	213.5	214.6	213.3	212.5	212.1
67.5°	191.8	191.6	190.6	189.5	189.1
70°	167.2	168.6	168.0	168.2	166.1
72.5°	145.3	145.5	144.8	144.8	143.2
75°	122.5	121.9	122.7	121.9	121.1
77.5°	100.0	100.6	100.4	99.3	100.2
80°	76.4	77.2	77.6	76.8	77.6
82.5°	56.6	56.6	56.4	56.4	55.7
85°	36.1	34.9	35.7	34.9	35.1
87.5°	16.5	16.3	15.4	16.1	15.9
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)