

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: P568337

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

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568337
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-L950
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

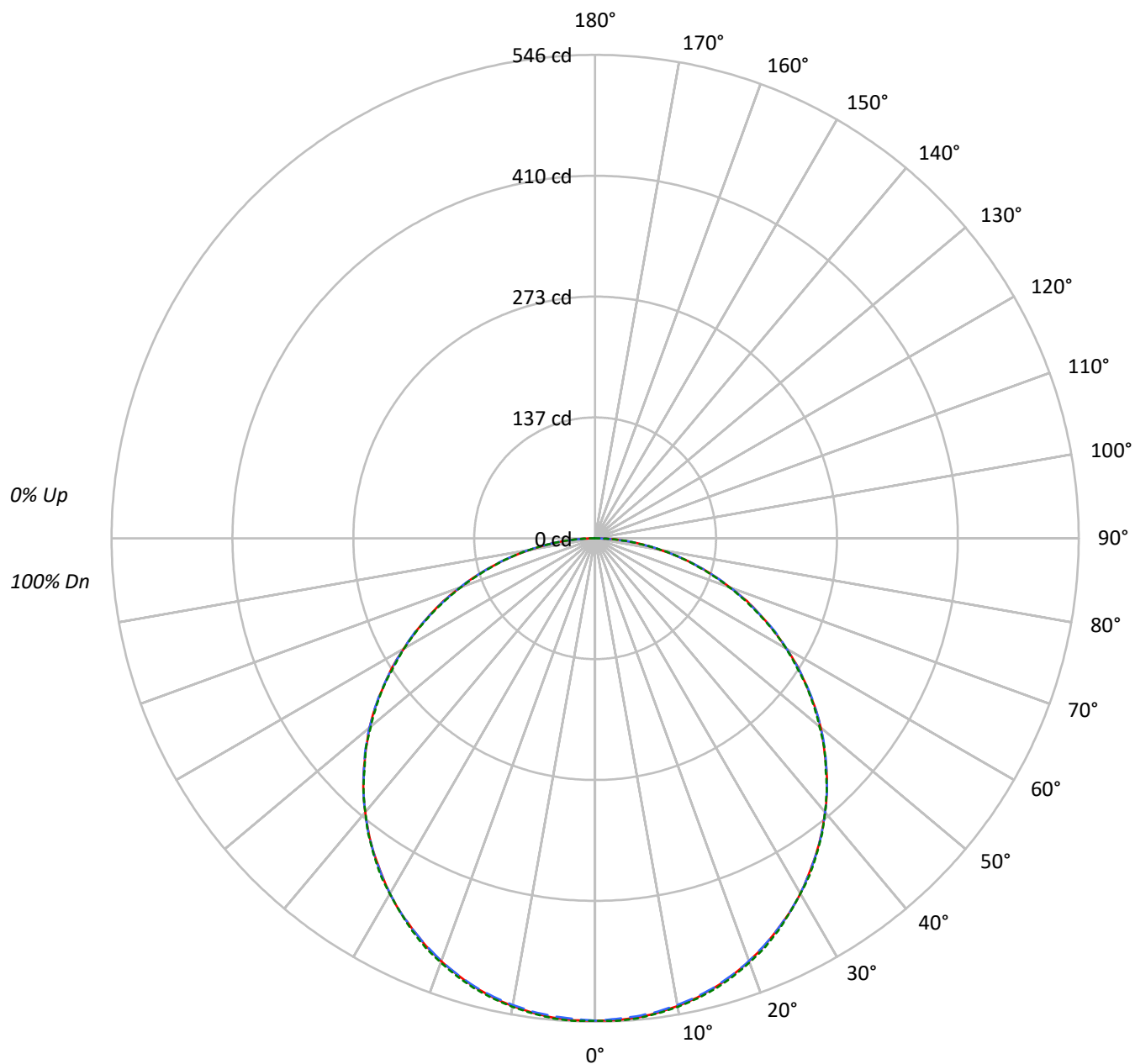
Lumens per Lamp: N/A
Luminaire Lumens: 1611.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1466	1466	1466
5°	1468	1464	1470
10°	1466	1462	1469
15°	1462	1461	1467
20°	1456	1455	1460
25°	1447	1447	1452
30°	1441	1440	1441
35°	1429	1430	1432
40°	1419	1419	1419
45°	1405	1405	1401
50°	1392	1392	1384
55°	1368	1372	1366
60°	1344	1344	1341
65°	1315	1314	1306
70°	1272	1279	1264
75°	1232	1234	1218
80°	1145	1164	1164
85°	1078	1065	1047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	3.2
10°-20°	148.2	9.2
20°-30°	225.0	14.0
30°-40°	272.5	16.9
40°-50°	285.0	17.7
50°-60°	261.1	16.2
60°-70°	204.2	12.7
70°-80°	124.9	7.8
80°-90°	38.4	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°	424.9	26.4
0°-40°	697.4	43.3
0°-60°	1243.5	77.2
0°-90°	1611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	545	545	545	545	545	
5°	544	544	542	544	544	52
15°	525	525	524	526	526	148
25°	487	488	487	489	489	225
35°	435	435	435	436	436	272
45°	369	370	369	369	368	285
55°	292	294	292	292	291	261
65°	206	208	206	206	205	204
75°	118	118	119	118	117	125
85°	35	34	34	34	34	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	544.9	544.9	544.9	544.9	544.9
2.5°	544.9	544.9	543.3	545.3	545.7
5°	543.5	543.5	541.9	543.7	544.3
7.5°	540.5	540.7	539.3	541.1	541.3
10°	536.5	536.7	535.2	537.3	537.5
12.5°	531.4	531.6	530.4	532.2	532.4
15°	524.8	525.2	524.3	525.8	526.4
17.5°	517.1	517.7	516.7	518.5	518.7
20°	508.4	508.6	508.0	509.4	509.8
22.5°	498.5	499.1	498.1	499.9	500.5
25°	487.4	488.4	487.4	488.6	489.0
27.5°	476.1	476.9	476.1	476.7	476.3
30°	463.6	463.8	463.4	463.6	463.6
32.5°	449.1	449.9	449.5	450.5	450.9
35°	435.1	435.3	435.3	435.9	435.9
37.5°	420.0	420.0	420.2	420.8	420.8
40°	403.9	404.3	403.9	404.3	403.9
42.5°	387.5	387.3	387.5	387.7	387.1
45°	369.3	369.9	369.1	369.1	368.1
47.5°	350.6	351.8	351.6	351.0	351.2
50°	332.6	333.0	332.6	332.0	330.6
52.5°	312.6	313.8	312.8	313.0	311.4
55°	291.6	293.7	292.4	291.6	291.2
57.5°	271.7	272.3	271.1	270.0	269.4
60°	249.7	250.5	249.7	248.9	249.1
62.5°	228.1	229.3	229.5	227.9	227.5
65°	206.5	207.5	206.3	205.5	205.1
67.5°	185.5	185.3	184.3	183.3	182.9
70°	161.7	163.1	162.5	162.7	160.7
72.5°	140.5	140.7	140.1	140.1	138.5
75°	118.5	117.9	118.7	117.9	117.1
77.5°	96.7	97.3	97.1	96.1	96.9
80°	73.9	74.7	75.1	74.3	75.1
82.5°	54.7	54.7	54.5	54.5	53.9
85°	34.9	33.7	34.5	33.7	33.9
87.5°	15.9	15.7	14.9	15.5	15.3
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)