

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: P568370

Luminaire Tested: **22CGTX-20HE-L940**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-20HE-L940
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

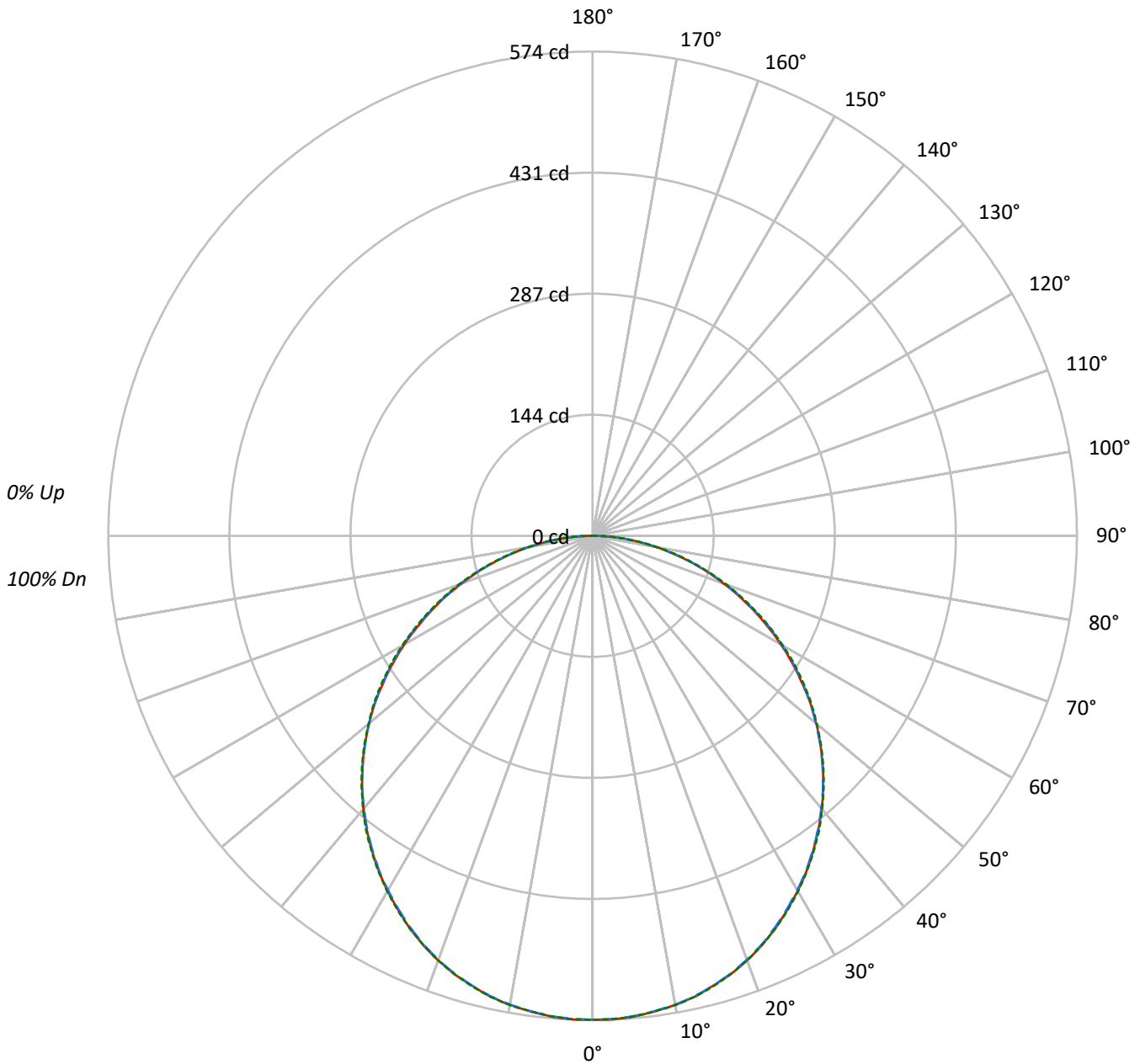
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1679.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' 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

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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					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	94	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	53	66	58	53	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	45	39	50	44	39	37								
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33								
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1544	1544	1544
5°	1545	1543	1544
10°	1543	1542	1544
15°	1538	1538	1540
20°	1534	1531	1534
25°	1523	1520	1524
30°	1511	1507	1513
35°	1498	1495	1501
40°	1484	1481	1487
45°	1467	1466	1472
50°	1448	1447	1451
55°	1419	1423	1432
60°	1387	1394	1403
65°	1347	1356	1367
70°	1300	1313	1325
75°	1249	1257	1272
80°	1173	1187	1196
85°	1068	1078	1093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	3.2
10°-20°	155.9	9.3
20°-30°	236.2	14.1
30°-40°	285.3	17.0
40°-50°	297.6	17.7
50°-60°	271.4	16.2
60°-70°	211.0	12.6
70°-80°	128.0	7.6
80°-90°	39.5	2.3
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°	446.4	26.6
0°-40°	731.6	43.6
0°-60°	1300.6	77.5
0°-90°	1679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	574	574	574	574	574	
5°	572	571	571	571	572	54
15°	552	552	552	552	553	156
25°	513	512	512	513	513	236
35°	456	455	455	457	457	285
45°	386	385	385	387	387	297
55°	302	303	303	304	305	271
65°	212	212	213	214	215	209
75°	120	120	121	122	122	127
85°	35	35	35	36	35	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	573.7	573.7	573.7	573.7	573.7
2.5°	574.0	573.1	573.1	572.8	573.7
5°	572.0	571.1	571.4	571.1	571.7
7.5°	568.5	568.0	568.2	568.0	568.5
10°	564.8	564.2	564.2	564.2	565.1
12.5°	559.7	559.1	559.1	559.1	559.7
15°	552.2	552.2	552.2	552.2	552.8
17.5°	544.8	544.0	544.2	544.0	544.8
20°	535.7	534.5	534.8	534.8	535.7
22.5°	525.1	523.9	524.2	524.2	524.8
25°	513.1	511.9	511.9	512.8	513.4
27.5°	499.9	499.1	498.8	500.2	500.5
30°	486.2	485.6	485.1	486.5	486.8
32.5°	471.6	471.1	470.8	472.2	472.2
35°	455.9	455.3	455.1	456.8	456.8
37.5°	439.6	439.3	438.8	440.5	440.8
40°	422.5	421.9	421.6	423.3	423.3
42.5°	404.5	403.9	404.2	405.6	405.3
45°	385.6	385.3	385.3	387.0	386.7
47.5°	366.2	365.6	365.9	367.6	367.0
50°	345.9	345.3	345.6	347.3	346.7
52.5°	325.0	324.4	325.0	326.7	326.7
55°	302.4	303.0	303.3	304.1	305.3
57.5°	280.4	280.7	281.8	282.4	283.3
60°	257.8	258.4	259.0	260.1	260.7
62.5°	234.7	235.5	237.2	237.2	237.8
65°	211.5	212.1	213.0	213.8	214.7
67.5°	188.7	188.9	190.4	190.7	191.5
70°	165.2	165.5	166.9	167.2	168.4
72.5°	142.9	142.6	143.8	145.2	145.2
75°	120.1	119.8	120.9	122.1	122.3
77.5°	97.8	97.5	98.3	99.8	99.8
80°	75.7	76.3	76.6	77.7	77.2
82.5°	54.6	54.9	55.2	56.0	55.5
85°	34.6	34.9	34.9	35.7	35.4
87.5°	16.3	16.0	16.0	16.6	16.3
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)