

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: P568301

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

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568301
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-L940
Description: 1X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

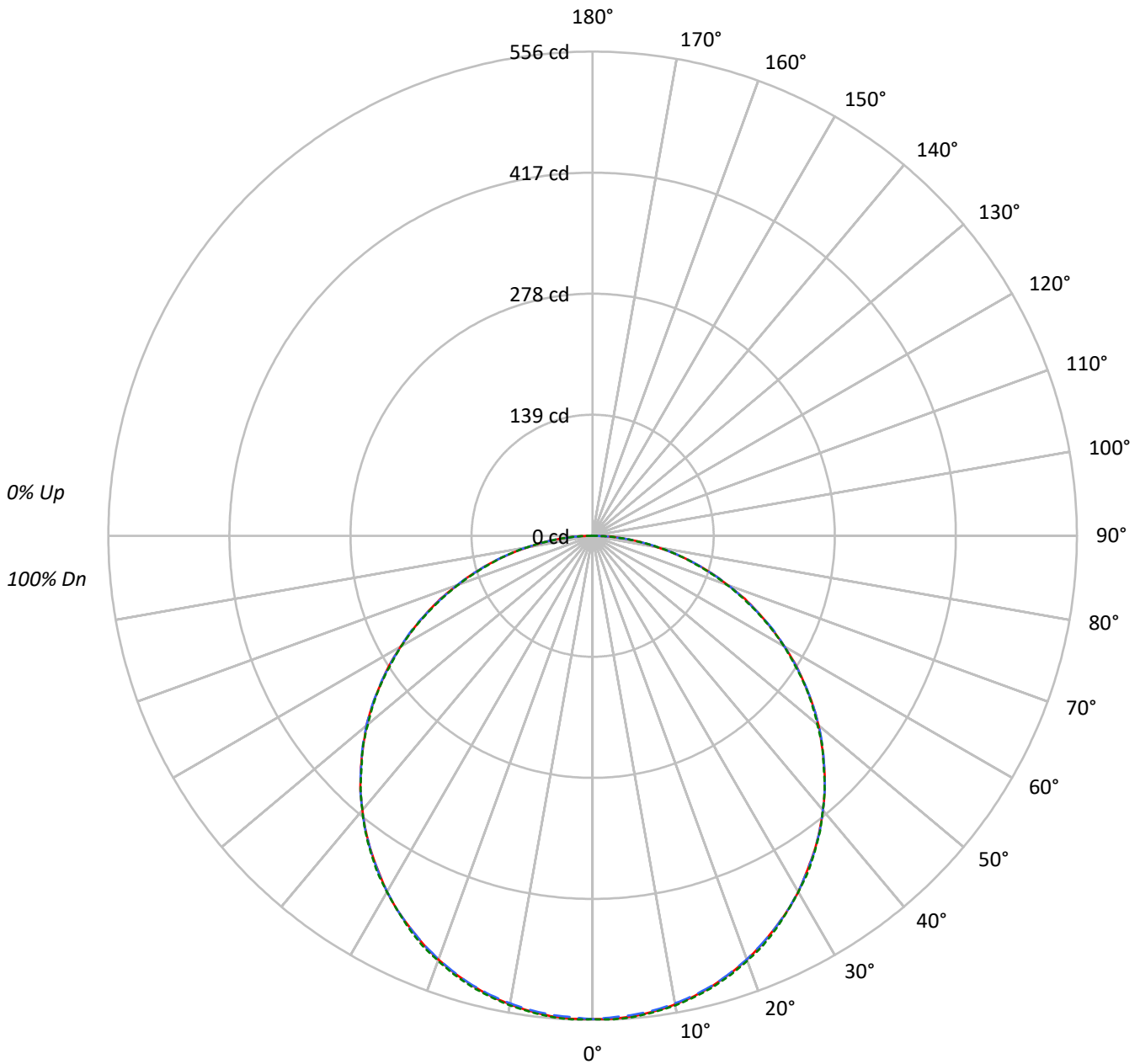
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1641.0 lumens
Efficiency: N/A
Efficacy: 110.9 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

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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°	1494	1494	1494
5°	1495	1491	1498
10°	1493	1490	1496
15°	1489	1488	1494
20°	1483	1482	1487
25°	1474	1474	1479
30°	1467	1467	1467
35°	1456	1457	1459
40°	1445	1445	1445
45°	1432	1431	1427
50°	1418	1418	1410
55°	1394	1398	1392
60°	1369	1369	1365
65°	1339	1338	1330
70°	1296	1302	1287
75°	1255	1257	1239
80°	1165	1185	1185
85°	1099	1087	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	3.2
10°-20°	151.0	9.2
20°-30°	229.2	14.0
30°-40°	277.6	16.9
40°-50°	290.3	17.7
50°-60°	265.9	16.2
60°-70°	208.0	12.7
70°-80°	127.2	7.8
80°-90°	39.2	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°	432.8	26.4
0°-40°	710.4	43.3
0°-60°	1266.6	77.2
0°-90°	1641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	555	555	555	555	555	
5°	554	554	552	554	554	53
15°	534	535	534	536	536	151
25°	496	498	496	498	498	229
35°	443	443	443	444	444	277
45°	376	377	376	376	375	290
55°	297	299	298	297	297	266
65°	210	211	210	209	209	208
75°	121	120	121	120	119	127
85°	36	34	35	34	34	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	555.1	555.1	555.1	555.1	555.1
2.5°	555.1	555.1	553.4	555.5	555.9
5°	553.6	553.6	552.0	553.8	554.5
7.5°	550.6	550.8	549.3	551.2	551.4
10°	546.4	546.7	545.2	547.3	547.5
12.5°	541.3	541.5	540.3	542.1	542.3
15°	534.5	534.9	534.1	535.6	536.2
17.5°	526.7	527.3	526.3	528.1	528.4
20°	517.9	518.1	517.5	518.9	519.3
22.5°	507.8	508.4	507.4	509.2	509.9
25°	496.5	497.5	496.5	497.7	498.1
27.5°	485.0	485.8	485.0	485.6	485.2
30°	472.2	472.4	472.0	472.2	472.2
32.5°	457.4	458.3	457.8	458.9	459.3
35°	443.2	443.4	443.4	444.1	444.1
37.5°	427.8	427.8	428.0	428.6	428.6
40°	411.4	411.8	411.4	411.8	411.4
42.5°	394.7	394.5	394.7	394.9	394.3
45°	376.2	376.8	376.0	376.0	375.0
47.5°	357.1	358.3	358.1	357.5	357.7
50°	338.8	339.2	338.8	338.2	336.7
52.5°	318.5	319.7	318.7	318.9	317.2
55°	297.1	299.1	297.9	297.1	296.7
57.5°	276.7	277.3	276.1	275.1	274.5
60°	254.3	255.1	254.3	253.5	253.7
62.5°	232.3	233.5	233.8	232.1	231.7
65°	210.3	211.3	210.1	209.3	208.9
67.5°	188.9	188.7	187.7	186.7	186.3
70°	164.7	166.1	165.5	165.7	163.6
72.5°	143.1	143.3	142.7	142.7	141.0
75°	120.7	120.1	120.9	120.1	119.2
77.5°	98.5	99.1	98.9	97.9	98.7
80°	75.2	76.1	76.5	75.7	76.5
82.5°	55.7	55.7	55.5	55.5	54.9
85°	35.6	34.3	35.2	34.3	34.5
87.5°	16.2	16.0	15.2	15.8	15.6
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)