

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: P568291

Luminaire Tested: **14CGTX-20HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568291
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-L935
Description: 1X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

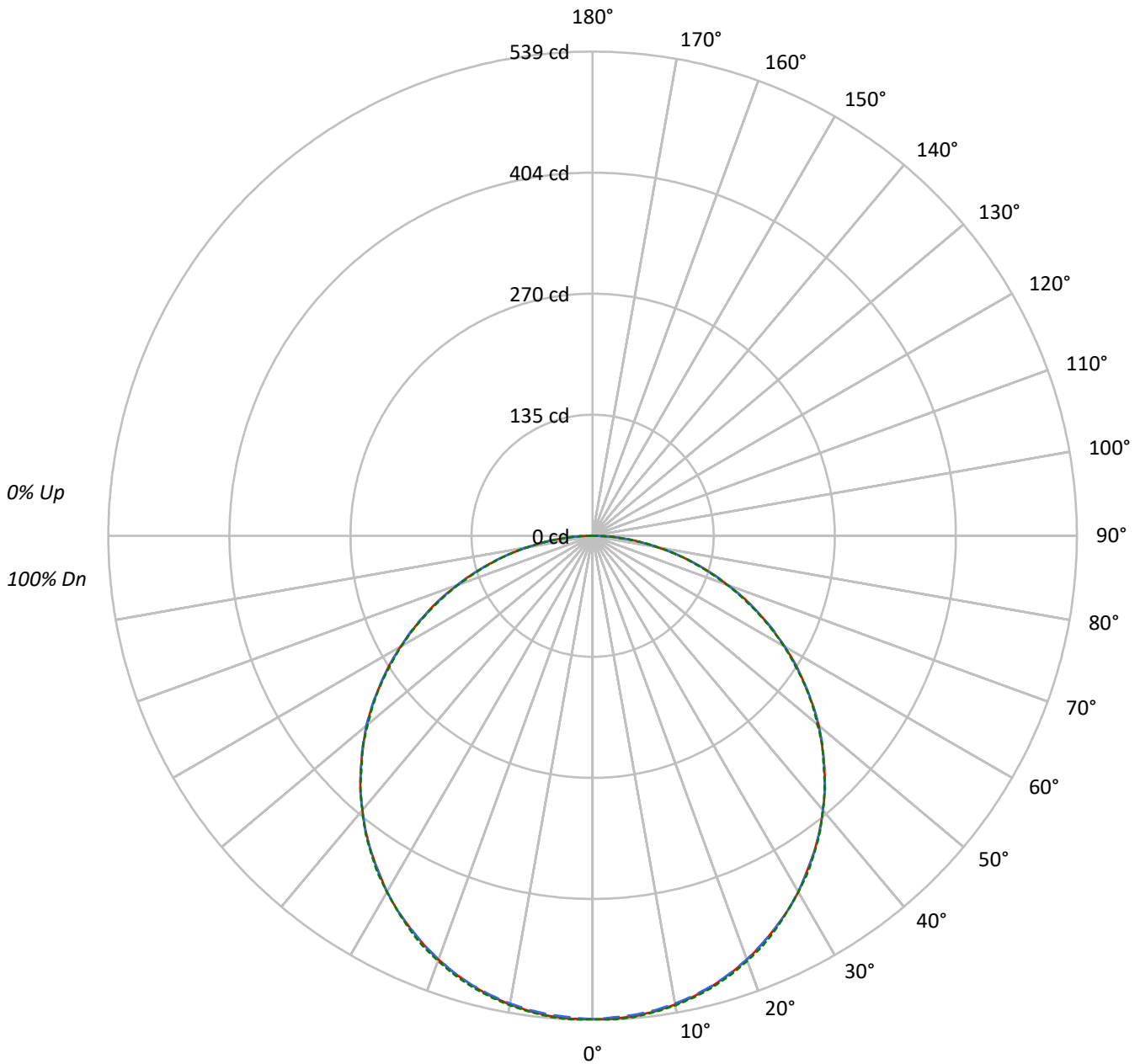
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1591.0 lumens
Efficiency: N/A
Efficacy: 107.5 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					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	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	69								
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°	1448	1448	1448
5°	1450	1446	1452
10°	1448	1444	1450
15°	1444	1443	1448
20°	1438	1437	1442
25°	1429	1429	1434
30°	1423	1422	1423
35°	1412	1412	1414
40°	1401	1401	1401
45°	1388	1388	1384
50°	1375	1375	1367
55°	1351	1355	1349
60°	1327	1327	1324
65°	1298	1297	1289
70°	1257	1263	1249
75°	1216	1219	1202
80°	1131	1148	1148
85°	1065	1053	1034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	3.2
10°-20°	146.4	9.2
20°-30°	222.2	14.0
30°-40°	269.1	16.9
40°-50°	281.5	17.7
50°-60°	257.8	16.2
60°-70°	201.7	12.7
70°-80°	123.3	7.8
80°-90°	38.0	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°	419.6	26.4
0°-40°	688.7	43.3
0°-60°	1228.1	77.2
0°-90°	1591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	538	538	538	538	538	
5°	537	537	535	537	538	51
15°	518	519	518	519	520	146
25°	481	482	481	483	483	222
35°	430	430	430	430	430	269
45°	365	365	365	365	364	281
55°	288	290	289	288	288	258
65°	204	205	204	203	202	202
75°	117	116	117	116	116	123
85°	34	33	34	33	34	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	538.2	538.2	538.2	538.2	538.2
2.5°	538.2	538.2	536.6	538.6	539.0
5°	536.8	536.8	535.2	537.0	537.6
7.5°	533.8	534.0	532.6	534.4	534.6
10°	529.8	530.0	528.6	530.6	530.8
12.5°	524.8	525.0	523.8	525.6	525.8
15°	518.2	518.6	517.8	519.2	519.8
17.5°	510.7	511.3	510.3	512.1	512.3
20°	502.1	502.3	501.7	503.1	503.5
22.5°	492.3	492.9	491.9	493.7	494.3
25°	481.4	482.4	481.4	482.6	483.0
27.5°	470.2	471.0	470.2	470.8	470.4
30°	457.8	458.0	457.6	457.8	457.8
32.5°	443.5	444.3	443.9	444.9	445.3
35°	429.7	429.9	429.9	430.5	430.5
37.5°	414.8	414.8	415.0	415.6	415.6
40°	398.8	399.2	398.8	399.2	398.8
42.5°	382.7	382.5	382.7	382.9	382.3
45°	364.8	365.4	364.6	364.6	363.6
47.5°	346.2	347.4	347.2	346.6	346.8
50°	328.5	328.9	328.5	327.9	326.5
52.5°	308.7	309.9	308.9	309.1	307.6
55°	288.0	290.0	288.8	288.0	287.6
57.5°	268.3	268.9	267.7	266.7	266.1
60°	246.6	247.4	246.6	245.8	246.0
62.5°	225.2	226.4	226.6	225.0	224.6
65°	203.9	204.9	203.7	202.9	202.5
67.5°	183.2	183.0	182.0	181.0	180.6
70°	159.7	161.1	160.5	160.7	158.7
72.5°	138.7	138.9	138.3	138.3	136.7
75°	117.0	116.4	117.2	116.4	115.6
77.5°	95.5	96.1	95.9	94.9	95.7
80°	73.0	73.7	74.1	73.4	74.1
82.5°	54.0	54.0	53.8	53.8	53.2
85°	34.5	33.3	34.1	33.3	33.5
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)