

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: P568286

Luminaire Tested: **14CGTX-20HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568286
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-L835
Description: 1X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

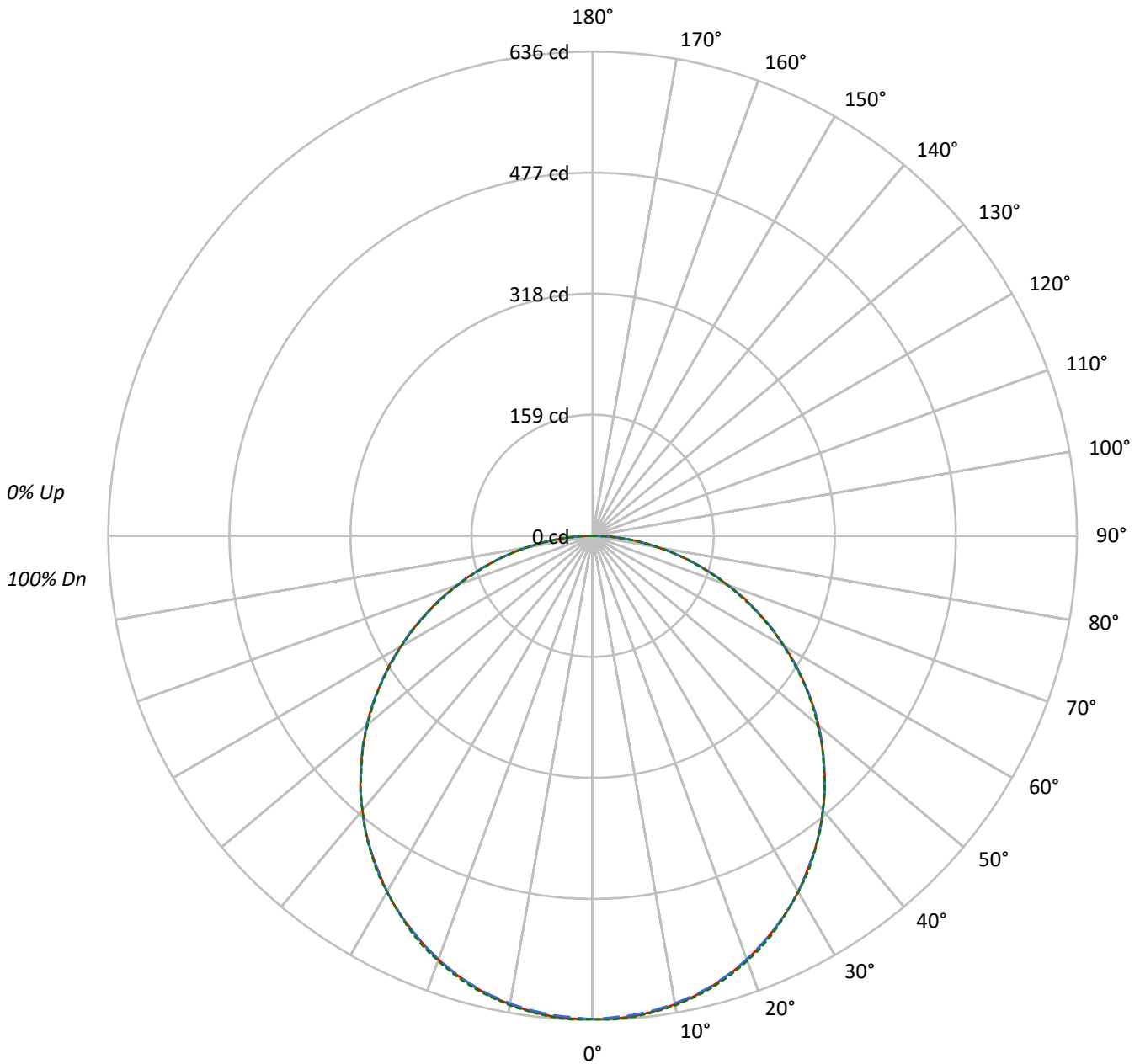
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1877.0 lumens
Efficiency: N/A
Efficacy: 126.8 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	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°	1709	1709	1709
5°	1711	1706	1713
10°	1708	1704	1711
15°	1703	1702	1709
20°	1696	1695	1701
25°	1686	1686	1692
30°	1678	1678	1678
35°	1666	1666	1668
40°	1653	1653	1653
45°	1638	1637	1632
50°	1622	1622	1613
55°	1594	1598	1592
60°	1566	1566	1562
65°	1532	1530	1521
70°	1482	1489	1473
75°	1435	1438	1418
80°	1334	1356	1356
85°	1257	1241	1220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	3.2
10°-20°	172.7	9.2
20°-30°	262.2	14.0
30°-40°	317.5	16.9
40°-50°	332.1	17.7
50°-60°	304.2	16.2
60°-70°	237.9	12.7
70°-80°	145.5	7.8
80°-90°	44.8	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°	495.0	26.4
0°-40°	812.5	43.3
0°-60°	1448.8	77.2
0°-90°	1877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	633	633	631	634	634	60
15°	611	612	611	613	613	173
25°	568	569	568	569	570	262
35°	507	507	507	508	508	317
45°	430	431	430	430	429	332
55°	340	342	341	340	339	304
65°	241	242	240	239	239	238
75°	138	137	138	137	136	145
85°	41	39	40	39	40	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.9	634.9	634.9	634.9	634.9
2.5°	634.9	634.9	633.0	635.4	635.9
5°	633.3	633.3	631.4	633.5	634.2
7.5°	629.7	630.0	628.3	630.4	630.7
10°	625.0	625.3	623.6	626.0	626.2
12.5°	619.2	619.4	618.0	620.1	620.3
15°	611.4	611.9	610.9	612.6	613.3
17.5°	602.5	603.2	602.0	604.1	604.3
20°	592.3	592.6	591.9	593.5	594.0
22.5°	580.8	581.5	580.4	582.5	583.2
25°	567.9	569.1	567.9	569.3	569.8
27.5°	554.7	555.7	554.7	555.4	555.0
30°	540.1	540.4	539.9	540.1	540.1
32.5°	523.2	524.2	523.7	524.9	525.3
35°	507.0	507.2	507.2	507.9	507.9
37.5°	489.4	489.4	489.6	490.3	490.3
40°	470.5	471.0	470.5	471.0	470.5
42.5°	451.5	451.3	451.5	451.7	451.0
45°	430.3	431.0	430.1	430.1	428.9
47.5°	408.5	409.9	409.6	408.9	409.2
50°	387.5	388.0	387.5	386.8	385.2
52.5°	364.3	365.7	364.5	364.7	362.8
55°	339.8	342.1	340.7	339.8	339.3
57.5°	316.5	317.2	315.8	314.6	313.9
60°	290.9	291.8	290.9	289.9	290.2
62.5°	265.7	267.1	267.4	265.5	265.0
65°	240.6	241.7	240.3	239.4	238.9
67.5°	216.1	215.9	214.7	213.5	213.0
70°	188.4	190.0	189.3	189.5	187.2
72.5°	163.7	163.9	163.2	163.2	161.3
75°	138.0	137.3	138.3	137.3	136.4
77.5°	112.6	113.3	113.1	111.9	112.9
80°	86.1	87.0	87.5	86.5	87.5
82.5°	63.7	63.7	63.5	63.5	62.8
85°	40.7	39.3	40.2	39.3	39.5
87.5°	18.6	18.3	17.4	18.1	17.9
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)