

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: P709883

Luminaire Tested: **8AWWS-L3C3-HO-UNV-5000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWWS-L3C3-HO-UNV-5000K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

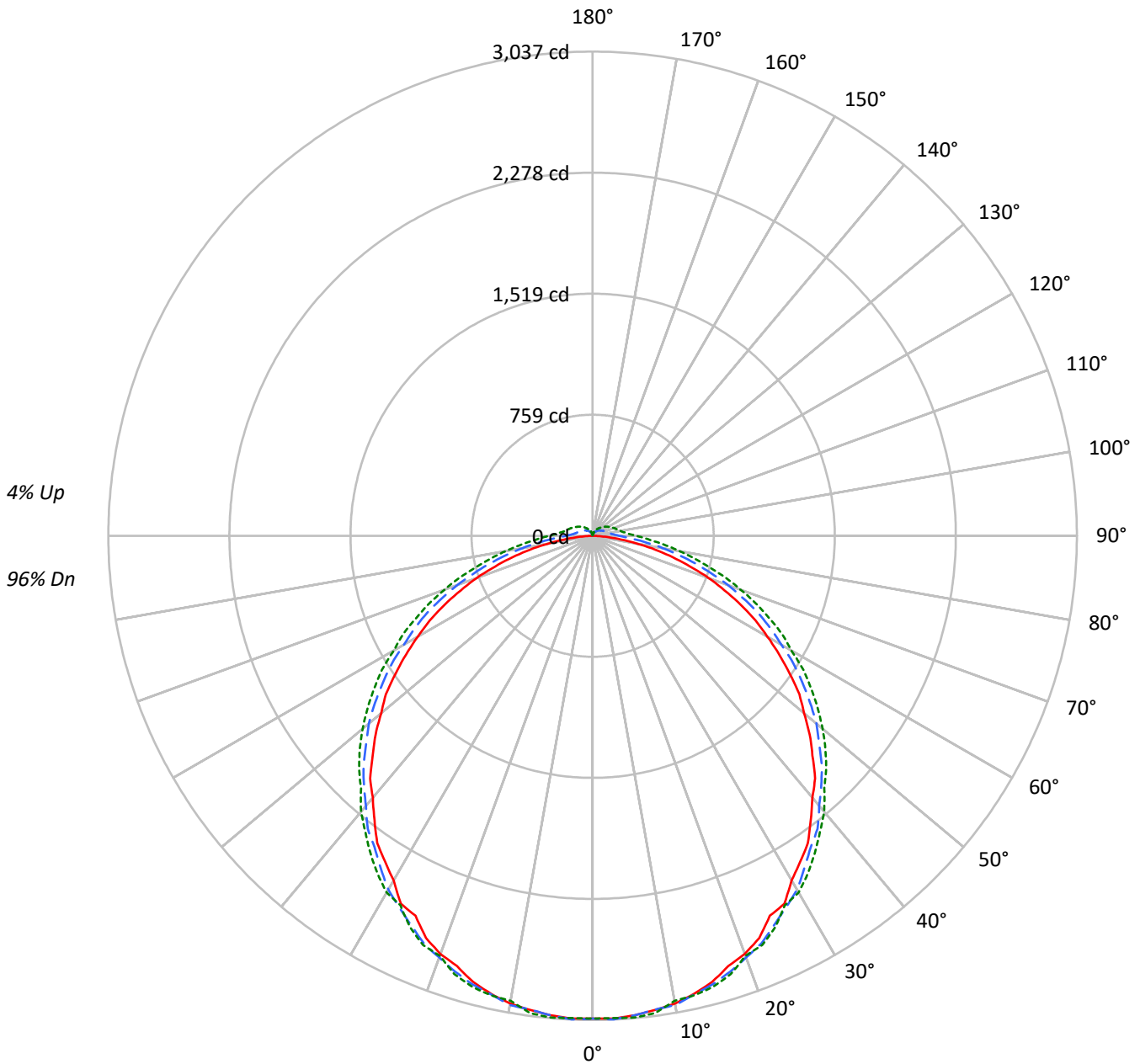
Lumens per Lamp: N/A
Luminaire Lumens: 9339.0 lumens
Efficiency: N/A
Efficacy: 176.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 53
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	81	81	81	79
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	67	67	67	65
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	57	57	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	49	49	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	42	42	42	40
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	37	37	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	33	33	33	31
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	29	29	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	26	26	26	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5292	5292	5292
5°	5286	5223	5229
10°	5266	5157	5072
15°	5210	5052	5022
20°	5148	4946	4852
25°	5018	4832	4769
30°	4972	4733	4664
35°	4942	4571	4534
40°	4800	4444	4399
45°	4711	4325	4249
50°	4582	4178	4115
55°	4454	3980	3945
60°	4258	3735	3714
65°	4046	3519	3508
70°	3723	3196	3228
75°	3231	2793	2883
80°	2516	2348	2574
85°	1448	1908	2297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.4	3.1
10°-20°	821.4	8.8
20°-30°	1239.3	13.3
30°-40°	1495.7	16.0
40°-50°	1558.7	16.7
50°-60°	1428.7	15.3
60°-70°	1120.4	12.0
70°-80°	692.6	7.4
80°-90°	293.7	3.1
90°-100°	128.6	1.4
100°-110°	91.3	1.0
110°-120°	68.5	0.7
120°-130°	48.9	0.5
130°-140°	32.2	0.3
140°-150°	19.1	0.2
150°-160°	9.1	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	2348.1	25.1
0°-40°	3843.8	41.2
0°-60°	6831.2	73.1
0°-90°	8937.9	95.7
90°-120°	288.4	3.1
90°-150°	388.5	4.2
90°-180°	401.0	4.3
0°-180°	9339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3028	3028	3028	3028	3028	
5°	3019	3025	3019	3019	3034	287
15°	2897	2903	2912	2922	2928	816
25°	2630	2676	2694	2697	2709	1224
35°	2354	2363	2384	2424	2430	1463
45°	1950	1974	2032	2062	2071	1505
55°	1509	1549	1606	1640	1673	1348
65°	1026	1066	1145	1190	1221	1013
75°	519	574	662	735	753	552
85°	91	164	270	349	383	116
90°	6	70	167	240	270	6
95°	0	46	122	182	210	0
105°	0	33	91	140	158	0
115°	0	27	73	112	128	0
125°	0	24	58	85	100	0
135°	0	18	46	64	76	0
145°	3	15	33	46	52	2
155°	3	9	21	30	33	1
165°	3	6	9	15	15	1
175°	3	3	3	3	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3027.8	3027.8	3027.8	3027.8	3027.8
2.5°	3030.9	3043.0	3036.9	3030.9	3027.8
5°	3018.7	3024.8	3018.7	3018.7	3033.9
7.5°	3000.5	3009.6	2997.5	3015.7	3018.7
10°	2979.2	2991.4	2988.4	2994.4	2961.0
12.5°	2942.8	2958.0	2945.8	2961.0	2951.9
15°	2897.2	2903.3	2912.4	2921.5	2927.6
17.5°	2830.4	2857.8	2866.9	2876.0	2882.1
20°	2791.0	2806.1	2815.3	2812.2	2803.1
22.5°	2730.2	2739.3	2766.7	2760.6	2778.8
25°	2630.0	2675.6	2693.8	2696.8	2709.0
27.5°	2602.7	2605.7	2627.0	2645.2	2611.8
30°	2496.4	2532.8	2563.2	2572.3	2584.4
32.5°	2423.5	2453.9	2472.1	2505.5	2511.6
35°	2353.6	2362.7	2384.0	2423.5	2429.6
37.5°	2247.3	2274.7	2317.2	2338.4	2341.5
40°	2144.1	2177.5	2210.9	2235.2	2259.5
42.5°	2065.1	2083.3	2122.8	2153.2	2150.2
45°	1949.7	1974.0	2031.7	2062.1	2071.2
47.5°	1846.5	1882.9	1925.4	1971.0	1980.1
50°	1731.1	1770.5	1831.3	1864.7	1882.9
52.5°	1633.9	1658.2	1718.9	1752.3	1779.7
55°	1509.4	1548.8	1606.5	1640.0	1673.4
57.5°	1387.9	1436.5	1494.2	1548.8	1567.1
60°	1266.4	1315.0	1366.6	1427.4	1439.5
62.5°	1151.0	1202.6	1257.3	1318.0	1342.3
65°	1026.5	1066.0	1144.9	1190.5	1220.9
67.5°	895.9	944.5	1020.4	1072.0	1108.5
70°	774.4	829.1	902.0	965.7	987.0
72.5°	640.8	707.6	777.5	844.3	874.6
75°	519.3	574.0	662.1	734.9	753.2
77.5°	403.9	455.5	549.7	622.6	649.9
80°	282.4	346.2	446.4	519.3	552.7
82.5°	179.2	246.0	349.2	428.2	464.7
85°	91.1	164.0	270.3	349.2	382.7
87.5°	30.4	103.3	206.5	288.5	321.9
90°	6.1	69.8	167.0	239.9	270.3
92.5°	0.0	51.6	139.7	206.5	233.8
95°	0.0	45.6	121.5	182.2	209.5
97.5°	0.0	42.5	112.4	167.0	188.3
100°	0.0	39.5	103.3	154.9	176.1
102.5°	0.0	36.4	97.2	145.8	167.0
105°	0.0	33.4	91.1	139.7	157.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.4	79.0	115.4	133.6
115°	0.0	27.3	72.9	112.4	127.6
117.5°	0.0	27.3	69.8	103.3	118.4
120°	0.0	24.3	63.8	97.2	112.4
122.5°	0.0	24.3	60.7	94.1	106.3
125°	0.0	24.3	57.7	85.0	100.2
127.5°	0.0	21.3	54.7	82.0	91.1
130°	0.0	21.3	51.6	75.9	85.0
132.5°	0.0	18.2	48.6	69.8	79.0
135°	0.0	18.2	45.6	63.8	75.9
137.5°	0.0	18.2	42.5	60.7	66.8
140°	0.0	15.2	39.5	54.7	63.8
142.5°	3.0	15.2	33.4	51.6	57.7
145°	3.0	15.2	33.4	45.6	51.6
147.5°	3.0	12.1	30.4	42.5	48.6
150°	3.0	12.1	27.3	36.4	42.5
152.5°	3.0	9.1	24.3	33.4	36.4
155°	3.0	9.1	21.3	30.4	33.4
157.5°	3.0	9.1	18.2	24.3	27.3
160°	3.0	6.1	15.2	21.3	24.3
162.5°	3.0	6.1	12.1	18.2	21.3
165°	3.0	6.1	9.1	15.2	15.2
167.5°	3.0	6.1	9.1	12.1	12.1
170°	3.0	3.0	6.1	9.1	9.1
172.5°	3.0	3.0	6.1	6.1	6.1
175°	3.0	3.0	3.0	3.0	6.1
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	0.0	33.4	88.1	130.6	148.8
110°	0.0	30.4	82.0	124.5	142.7



(END OF REPORT)