

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: P709876

Luminaire Tested: **8AWWS-L3C3-HO-UNV-3500K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709876
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-3500K-HI
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

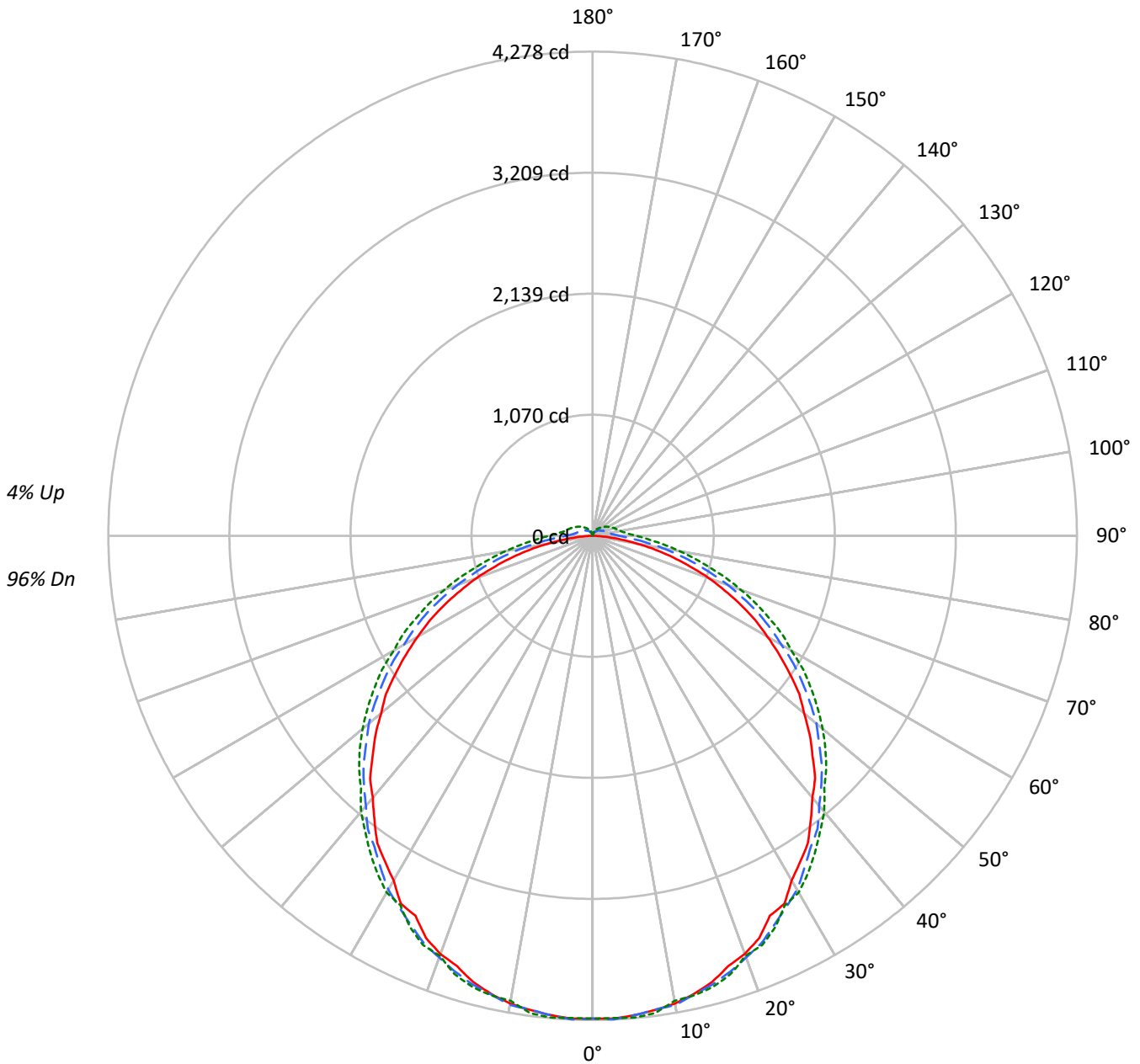
Lumens per Lamp: N/A
Luminaire Lumens: 13155.0 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 85
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

TEST NUMBER: P709876

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-3500K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709876

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-3500K-HI

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	50	30	10	0		
RCR																										
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96								
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79								
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65								
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54								
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46								
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40								
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35								
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31								
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27								
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25								
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7454	7454	7454
5°	7445	7357	7366
10°	7418	7264	7144
15°	7339	7116	7074
20°	7252	6967	6835
25°	7069	6806	6717
30°	7004	6667	6570
35°	6962	6439	6386
40°	6761	6260	6197
45°	6636	6093	5985
50°	6454	5885	5797
55°	6273	5606	5557
60°	5998	5261	5232
65°	5700	4958	4942
70°	5245	4501	4546
75°	4551	3934	4060
80°	3543	3308	3625
85°	2039	2688	3235



TEST NUMBER: P709876

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-3500K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.8	3.1
10°-20°	1157.0	8.8
20°-30°	1745.7	13.3
30°-40°	2106.9	16.0
40°-50°	2195.6	16.7
50°-60°	2012.5	15.3
60°-70°	1578.2	12.0
70°-80°	975.6	7.4
80°-90°	413.7	3.1
90°-100°	181.2	1.4
100°-110°	128.6	1.0
110°-120°	96.5	0.7
120°-130°	68.8	0.5
130°-140°	45.4	0.3
140°-150°	26.9	0.2
150°-160°	12.8	0.1
160°-170°	4.2	0.0
170°-180°	0.6	0.0
0°-30°	3307.5	25.1
0°-40°	5414.4	41.2
0°-60°	9622.5	73.1
0°-90°	12590.0	95.7
90°-120°	406.3	3.1
90°-150°	547.3	4.2
90°-180°	565.0	4.3
0°-180°	13155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4265	4265	4265	4265	4265	
5°	4252	4261	4252	4252	4274	404
15°	4081	4090	4102	4115	4124	1149
25°	3705	3769	3794	3799	3816	1724
35°	3315	3328	3358	3414	3422	2061
45°	2746	2781	2862	2905	2918	2121
55°	2126	2182	2263	2310	2357	1899
65°	1446	1502	1613	1677	1720	1427
75°	732	808	933	1035	1061	777
85°	128	231	381	492	539	163
90°	9	98	235	338	381	8
95°	0	64	171	257	295	0
105°	0	47	128	197	222	0
115°	0	38	103	158	180	0
125°	0	34	81	120	141	0
135°	0	26	64	90	107	0
145°	4	21	47	64	73	2
155°	4	13	30	43	47	2
165°	4	9	13	21	21	1
175°	4	4	4	4	9	0
180°	4	4	4	4	4	



TEST NUMBER: P709876

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4265.0	4265.0	4265.0	4265.0	4265.0
2.5°	4269.3	4286.4	4277.9	4269.3	4265.0
5°	4252.2	4260.8	4252.2	4252.2	4273.6
7.5°	4226.5	4239.4	4222.3	4247.9	4252.2
10°	4196.6	4213.7	4209.4	4218.0	4170.9
12.5°	4145.3	4166.6	4149.5	4170.9	4158.1
15°	4081.1	4089.6	4102.5	4115.3	4123.9
17.5°	3987.0	4025.5	4038.3	4051.1	4059.7
20°	3931.4	3952.8	3965.6	3961.3	3948.5
22.5°	3845.8	3858.6	3897.1	3888.6	3914.3
25°	3704.6	3768.8	3794.5	3798.8	3815.9
27.5°	3666.1	3670.4	3700.4	3726.0	3679.0
30°	3516.4	3567.7	3610.5	3623.4	3640.5
32.5°	3413.7	3456.5	3482.2	3529.2	3537.8
35°	3315.4	3328.2	3358.1	3413.7	3422.3
37.5°	3165.6	3204.1	3264.0	3294.0	3298.2
40°	3020.2	3067.2	3114.3	3148.5	3182.7
42.5°	2909.0	2934.6	2990.2	3033.0	3028.7
45°	2746.4	2780.6	2861.9	2904.7	2917.5
47.5°	2600.9	2652.3	2712.2	2776.3	2789.2
50°	2438.4	2494.0	2579.6	2626.6	2652.3
52.5°	2301.5	2335.7	2421.3	2468.3	2506.8
55°	2126.1	2181.7	2263.0	2310.1	2357.1
57.5°	1955.0	2023.4	2104.7	2181.7	2207.4
60°	1783.9	1852.3	1925.0	2010.6	2027.7
62.5°	1621.3	1694.0	1771.0	1856.6	1890.8
65°	1445.9	1501.5	1612.8	1676.9	1719.7
67.5°	1262.0	1330.4	1437.4	1510.1	1561.4
70°	1090.9	1167.9	1270.5	1360.4	1390.3
72.5°	902.6	996.7	1095.1	1189.2	1232.0
75°	731.5	808.5	932.6	1035.2	1060.9
77.5°	569.0	641.7	774.3	877.0	915.5
80°	397.8	487.7	628.8	731.5	778.6
82.5°	252.4	346.5	492.0	603.2	654.5
85°	128.3	231.0	380.7	492.0	539.0
87.5°	42.8	145.4	290.9	406.4	453.5
90°	8.6	98.4	235.3	338.0	380.7
92.5°	0.0	72.7	196.8	290.9	329.4
95°	0.0	64.2	171.1	256.7	295.2
97.5°	0.0	59.9	158.3	235.3	265.2
100°	0.0	55.6	145.4	218.2	248.1
102.5°	0.0	51.3	136.9	205.3	235.3
105°	0.0	47.1	128.3	196.8	222.4



TEST NUMBER: P709876

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-3500K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.8	111.2	162.6	188.2
115°	0.0	38.5	102.7	158.3	179.7
117.5°	0.0	38.5	98.4	145.4	166.8
120°	0.0	34.2	89.8	136.9	158.3
122.5°	0.0	34.2	85.6	132.6	149.7
125°	0.0	34.2	81.3	119.8	141.2
127.5°	0.0	29.9	77.0	115.5	128.3
130°	0.0	29.9	72.7	106.9	119.8
132.5°	0.0	25.7	68.4	98.4	111.2
135°	0.0	25.7	64.2	89.8	106.9
137.5°	0.0	25.7	59.9	85.6	94.1
140°	0.0	21.4	55.6	77.0	89.8
142.5°	4.3	21.4	47.1	72.7	81.3
145°	4.3	21.4	47.1	64.2	72.7
147.5°	4.3	17.1	42.8	59.9	68.4
150°	4.3	17.1	38.5	51.3	59.9
152.5°	4.3	12.8	34.2	47.1	51.3
155°	4.3	12.8	29.9	42.8	47.1
157.5°	4.3	12.8	25.7	34.2	38.5
160°	4.3	8.6	21.4	29.9	34.2
162.5°	4.3	8.6	17.1	25.7	29.9
165°	4.3	8.6	12.8	21.4	21.4
167.5°	4.3	8.6	12.8	17.1	17.1
170°	4.3	4.3	8.6	12.8	12.8
172.5°	4.3	4.3	8.6	8.6	8.6
175°	4.3	4.3	4.3	4.3	8.6
177.5°	4.3	4.3	4.3	4.3	4.3
180°	4.3	4.3	4.3	4.3	4.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	47.1	124.1	183.9	209.6
110°	0.0	42.8	115.5	175.4	201.1



(END OF REPORT)