

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: P709880

Luminaire Tested: **8AWWS-L3C3-HO-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709880
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-4000K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

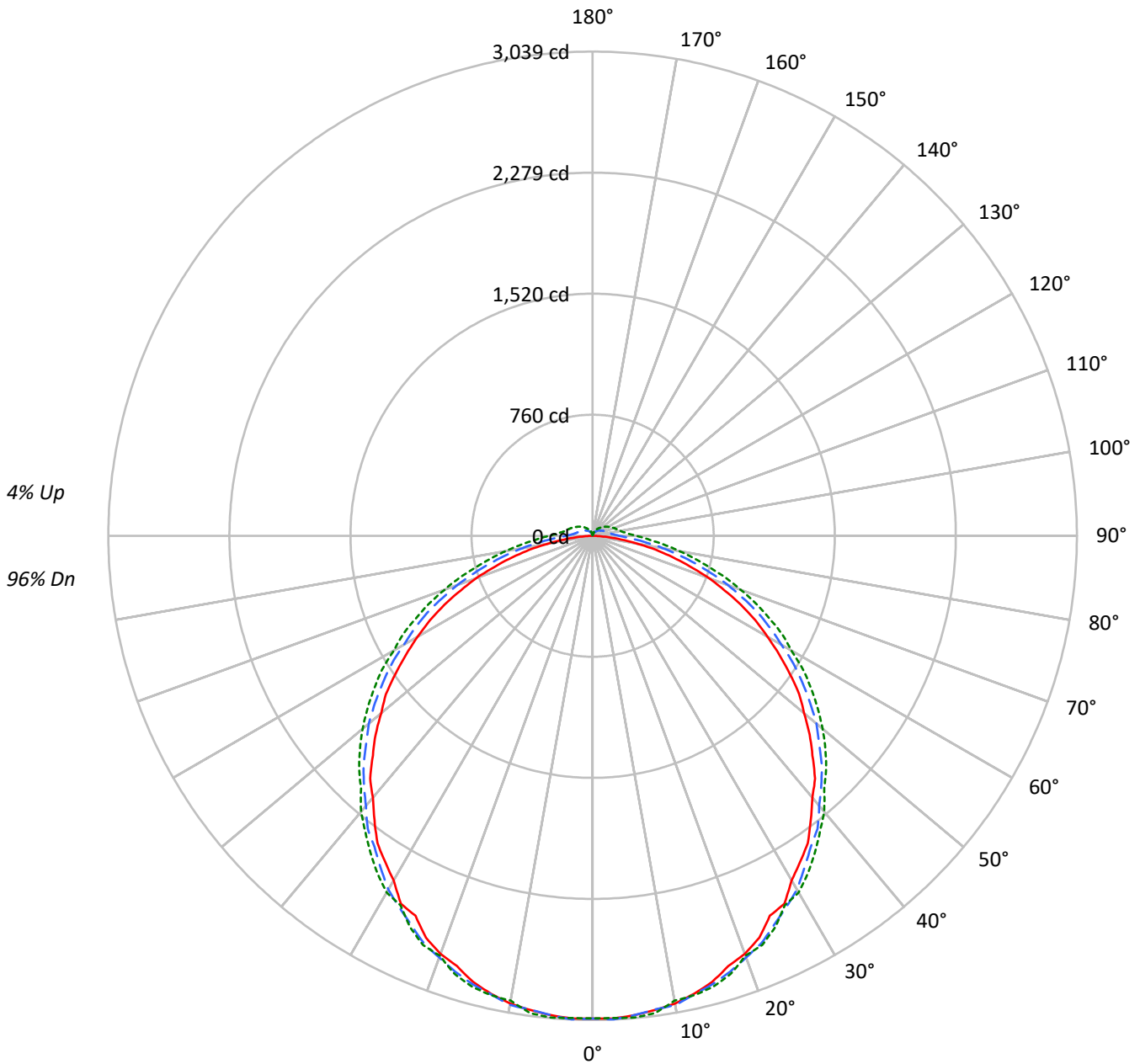
Lumens per Lamp: N/A
Luminaire Lumens: 9344.0 lumens
Efficiency: N/A
Efficacy: 176.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P709880

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-4000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709880

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-4000K-LOW

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°	5295	5295	5295
5°	5288	5225	5232
10°	5269	5160	5075
15°	5213	5055	5024
20°	5151	4949	4855
25°	5021	4835	4771
30°	4975	4736	4667
35°	4945	4574	4536
40°	4802	4446	4401
45°	4714	4328	4251
50°	4584	4180	4117
55°	4456	3982	3947
60°	4260	3737	3716
65°	4048	3521	3510
70°	3725	3197	3229
75°	3232	2794	2884
80°	2517	2350	2575
85°	1449	1909	2298



TEST NUMBER: P709880

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	3.1
10°-20°	821.8	8.8
20°-30°	1240.0	13.3
30°-40°	1496.5	16.0
40°-50°	1559.5	16.7
50°-60°	1429.5	15.3
60°-70°	1121.0	12.0
70°-80°	693.0	7.4
80°-90°	293.8	3.1
90°-100°	128.7	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°	2349.3	25.1
0°-40°	3845.9	41.2
0°-60°	6834.9	73.1
0°-90°	8942.7	95.7
90°-120°	288.5	3.1
90°-150°	388.8	4.2
90°-180°	401.0	4.3
0°-180°	9344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3030	3030	3030	3030	3030	
5°	3020	3026	3020	3020	3036	287
15°	2899	2905	2914	2923	2929	816
25°	2631	2677	2695	2698	2710	1224
35°	2355	2364	2385	2425	2431	1464
45°	1951	1975	2033	2063	2072	1506
55°	1510	1550	1607	1641	1674	1349
65°	1027	1066	1146	1191	1222	1013
75°	520	574	662	735	754	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	



TEST NUMBER: P709880

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3029.5	3029.5	3029.5	3029.5	3029.5
2.5°	3032.5	3044.7	3038.6	3032.5	3029.5
5°	3020.3	3026.4	3020.3	3020.3	3035.5
7.5°	3002.1	3011.2	2999.1	3017.3	3020.3
10°	2980.8	2993.0	2990.0	2996.0	2962.6
12.5°	2944.4	2959.6	2947.4	2962.6	2953.5
15°	2898.8	2904.9	2914.0	2923.1	2929.2
17.5°	2832.0	2859.3	2868.4	2877.5	2883.6
20°	2792.4	2807.6	2816.8	2813.7	2804.6
22.5°	2731.7	2740.8	2768.1	2762.1	2780.3
25°	2631.4	2677.0	2695.2	2698.3	2710.4
27.5°	2604.1	2607.1	2628.4	2646.6	2613.2
30°	2497.7	2534.2	2564.6	2573.7	2585.8
32.5°	2424.8	2455.2	2473.4	2506.8	2512.9
35°	2354.9	2364.0	2385.3	2424.8	2430.9
37.5°	2248.5	2275.9	2318.4	2339.7	2342.7
40°	2145.2	2178.7	2212.1	2236.4	2260.7
42.5°	2066.2	2084.5	2124.0	2154.3	2151.3
45°	1950.8	1975.1	2032.8	2063.2	2072.3
47.5°	1847.5	1883.9	1926.5	1972.0	1981.1
50°	1732.0	1771.5	1832.3	1865.7	1883.9
52.5°	1634.8	1659.1	1719.8	1753.3	1780.6
55°	1510.2	1549.7	1607.4	1640.8	1674.3
57.5°	1388.6	1437.2	1495.0	1549.7	1567.9
60°	1267.1	1315.7	1367.4	1428.1	1440.3
62.5°	1151.6	1203.3	1258.0	1318.7	1343.0
65°	1027.0	1066.5	1145.5	1191.1	1221.5
67.5°	896.4	945.0	1021.0	1072.6	1109.1
70°	774.8	829.5	902.5	966.3	987.5
72.5°	641.1	708.0	777.9	844.7	875.1
75°	519.6	574.3	662.4	735.3	753.6
77.5°	404.1	455.8	550.0	622.9	650.3
80°	282.6	346.4	446.7	519.6	553.0
82.5°	179.3	246.1	349.4	428.4	464.9
85°	91.2	164.1	270.4	349.4	382.9
87.5°	30.4	103.3	206.6	288.7	322.1
90°	6.1	69.9	167.1	240.0	270.4
92.5°	0.0	51.7	139.8	206.6	234.0
95°	0.0	45.6	121.5	182.3	209.7
97.5°	0.0	42.5	112.4	167.1	188.4
100°	0.0	39.5	103.3	155.0	176.2
102.5°	0.0	36.5	97.2	145.9	167.1
105°	0.0	33.4	91.2	139.8	158.0



TEST NUMBER: P709880

CATALOG NUMBER: 8AWWS-L3C3-HO-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.4	79.0	115.5	133.7
115°	0.0	27.3	72.9	112.4	127.6
117.5°	0.0	27.3	69.9	103.3	118.5
120°	0.0	24.3	63.8	97.2	112.4
122.5°	0.0	24.3	60.8	94.2	106.4
125°	0.0	24.3	57.7	85.1	100.3
127.5°	0.0	21.3	54.7	82.0	91.2
130°	0.0	21.3	51.7	76.0	85.1
132.5°	0.0	18.2	48.6	69.9	79.0
135°	0.0	18.2	45.6	63.8	76.0
137.5°	0.0	18.2	42.5	60.8	66.8
140°	0.0	15.2	39.5	54.7	63.8
142.5°	3.0	15.2	33.4	51.7	57.7
145°	3.0	15.2	33.4	45.6	51.7
147.5°	3.0	12.2	30.4	42.5	48.6
150°	3.0	12.2	27.3	36.5	42.5
152.5°	3.0	9.1	24.3	33.4	36.5
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	12.2	18.2	21.3
165°	3.0	6.1	9.1	15.2	15.2
167.5°	3.0	6.1	9.1	12.2	12.2
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	130.7	148.9
110°	0.0	30.4	82.0	124.6	142.8



(END OF REPORT)