

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: P709900

Luminaire Tested: **8AWWS-L3C3-UNV-5000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709900
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-UNV-5000K-HI
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

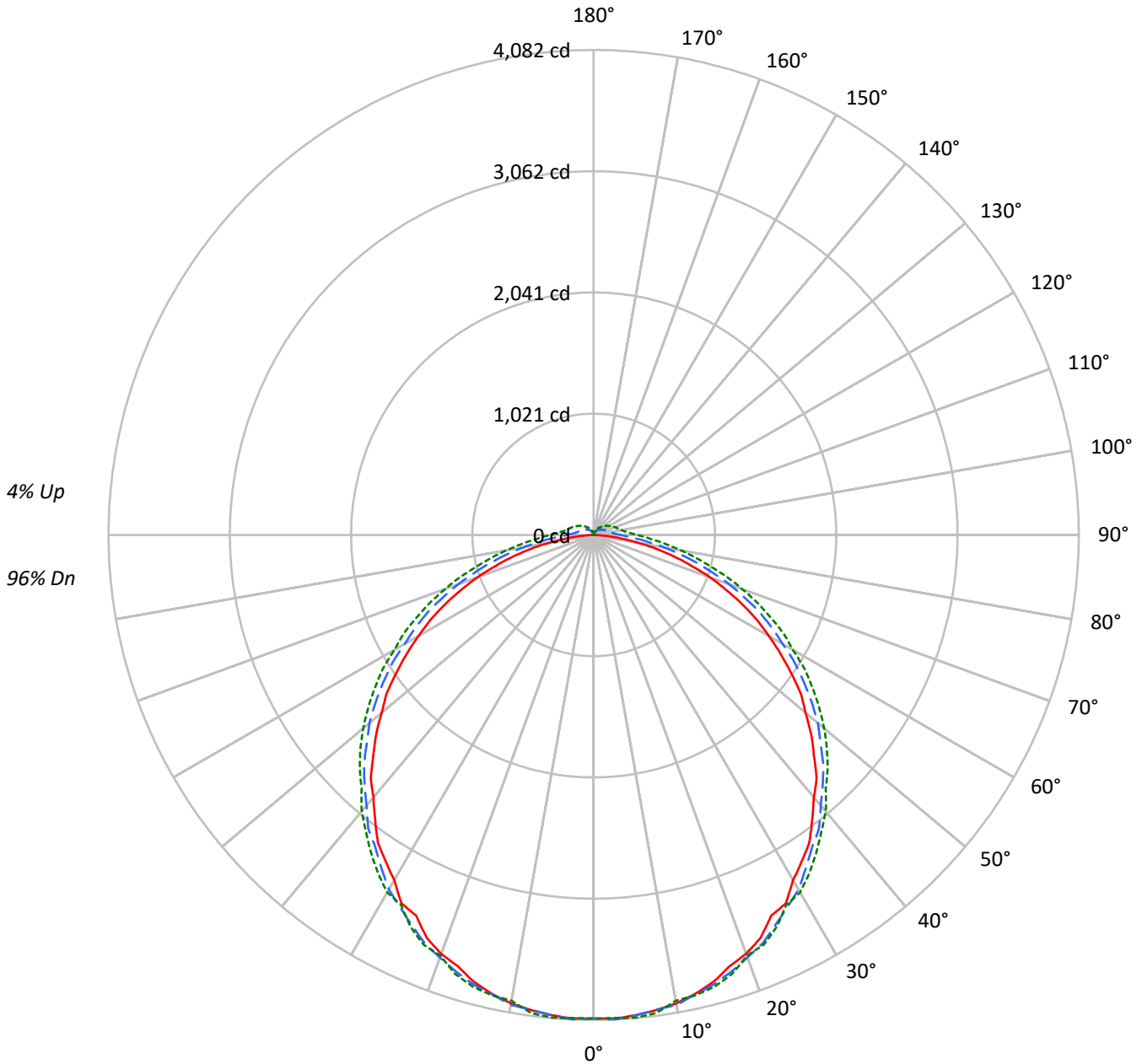
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12554.0 lumens
Efficiency: N/A
Efficacy: 141.1 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): 89
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: P709900
CATALOG NUMBER: 8AWWS-L3C3-UNV-5000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709900

CATALOG NUMBER: 8AWWS-L3C3-UNV-5000K-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	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°	7114	7114	7114
5°	7105	7021	7029
10°	7079	6933	6818
15°	7004	6791	6751
20°	6920	6649	6522
25°	6746	6495	6410
30°	6684	6362	6270
35°	6644	6145	6094
40°	6452	5974	5914
45°	6333	5814	5712
50°	6159	5616	5532
55°	5987	5350	5303
60°	5724	5021	4993
65°	5439	4731	4716
70°	5005	4296	4339
75°	4343	3754	3875
80°	3382	3157	3460
85°	1947	2565	3087



TEST NUMBER: P709900

CATALOG NUMBER: 8AWWS-L3C3-UNV-5000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.3	3.1
10°-20°	1104.1	8.8
20°-30°	1665.9	13.3
30°-40°	2010.6	16.0
40°-50°	2095.3	16.7
50°-60°	1920.5	15.3
60°-70°	1506.1	12.0
70°-80°	931.1	7.4
80°-90°	394.8	3.1
90°-100°	172.9	1.4
100°-110°	122.7	1.0
110°-120°	92.1	0.7
120°-130°	65.7	0.5
130°-140°	43.3	0.3
140°-150°	25.7	0.2
150°-160°	12.2	0.1
160°-170°	4.0	0.0
170°-180°	0.6	0.0
<hr/>		
0°-30°	3156.4	25.1
0°-40°	5167.1	41.2
0°-60°	9182.9	73.1
0°-90°	12014.8	95.7
90°-120°	387.7	3.1
90°-150°	522.3	4.2
90°-180°	539.0	4.3
0°-180°	12554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4070	4070	4070	4070	4070	
5°	4058	4066	4058	4058	4078	386
15°	3895	3903	3915	3927	3936	1097
25°	3535	3597	3621	3625	3642	1645
35°	3164	3176	3205	3258	3266	1967
45°	2621	2654	2731	2772	2784	2024
55°	2029	2082	2160	2204	2249	1813
65°	1380	1433	1539	1600	1641	1361
75°	698	772	890	988	1012	741
85°	122	220	363	470	514	156
90°	8	94	224	322	363	8
95°	0	61	163	245	282	0
105°	0	45	122	188	212	0
115°	0	37	98	151	172	0
125°	0	33	78	114	135	0
135°	0	24	61	86	102	0
145°	4	20	45	61	69	2
155°	4	12	29	41	45	2
165°	4	8	12	20	20	1
175°	4	4	4	4	8	0
180°	4	4	4	4	4	



TEST NUMBER: P709900

CATALOG NUMBER: 8AWWS-L3C3-UNV-5000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4070.2	4070.2	4070.2	4070.2	4070.2
2.5°	4074.3	4090.6	4082.4	4074.3	4070.2
5°	4057.9	4066.1	4057.9	4057.9	4078.4
7.5°	4033.4	4045.7	4029.4	4053.9	4057.9
10°	4004.9	4021.2	4017.1	4025.3	3980.4
12.5°	3955.9	3976.3	3960.0	3980.4	3968.1
15°	3894.6	3902.8	3915.1	3927.3	3935.5
17.5°	3804.8	3841.6	3853.8	3866.1	3874.2
20°	3751.8	3772.2	3784.4	3780.3	3768.1
22.5°	3670.1	3682.4	3719.1	3710.9	3735.4
25°	3535.4	3596.6	3621.1	3625.2	3641.5
27.5°	3498.6	3502.7	3531.3	3555.8	3510.9
30°	3355.8	3404.7	3445.6	3457.8	3474.2
32.5°	3257.8	3298.6	3323.1	3368.0	3376.2
35°	3163.9	3176.1	3204.7	3257.8	3265.9
37.5°	3021.0	3057.7	3114.9	3143.5	3147.6
40°	2882.2	2927.1	2972.0	3004.7	3037.3
42.5°	2776.1	2800.5	2853.6	2894.4	2890.4
45°	2620.9	2653.6	2731.1	2772.0	2784.2
47.5°	2482.1	2531.1	2588.3	2649.5	2661.7
50°	2327.0	2380.1	2461.7	2506.6	2531.1
52.5°	2196.3	2229.0	2310.7	2355.6	2392.3
55°	2029.0	2082.0	2159.6	2204.5	2249.4
57.5°	1865.7	1931.0	2008.6	2082.0	2106.5
60°	1702.4	1767.7	1837.1	1918.7	1935.1
62.5°	1547.2	1616.6	1690.1	1771.8	1804.4
65°	1379.9	1432.9	1539.1	1600.3	1641.1
67.5°	1204.3	1269.6	1371.7	1441.1	1490.1
70°	1041.0	1114.5	1212.5	1298.2	1326.8
72.5°	861.4	951.2	1045.1	1134.9	1175.7
75°	698.1	771.6	890.0	987.9	1012.4
77.5°	543.0	612.4	738.9	836.9	873.6
80°	379.7	465.4	600.1	698.1	743.0
82.5°	240.9	330.7	469.5	575.6	624.6
85°	122.5	220.5	363.3	469.5	514.4
87.5°	40.8	138.8	277.6	387.8	432.7
90°	8.2	93.9	224.5	322.5	363.3
92.5°	0.0	69.4	187.8	277.6	314.3
95°	0.0	61.2	163.3	244.9	281.7
97.5°	0.0	57.2	151.1	224.5	253.1
100°	0.0	53.1	138.8	208.2	236.8
102.5°	0.0	49.0	130.6	196.0	224.5
105°	0.0	44.9	122.5	187.8	212.3



TEST NUMBER: P709900

CATALOG NUMBER: 8AWWS-L3C3-UNV-5000K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	40.8	106.1	155.1	179.6
115°	0.0	36.7	98.0	151.1	171.5
117.5°	0.0	36.7	93.9	138.8	159.2
120°	0.0	32.7	85.7	130.6	151.1
122.5°	0.0	32.7	81.6	126.6	142.9
125°	0.0	32.7	77.6	114.3	134.7
127.5°	0.0	28.6	73.5	110.2	122.5
130°	0.0	28.6	69.4	102.1	114.3
132.5°	0.0	24.5	65.3	93.9	106.1
135°	0.0	24.5	61.2	85.7	102.1
137.5°	0.0	24.5	57.2	81.6	89.8
140°	0.0	20.4	53.1	73.5	85.7
142.5°	4.1	20.4	44.9	69.4	77.6
145°	4.1	20.4	44.9	61.2	69.4
147.5°	4.1	16.3	40.8	57.2	65.3
150°	4.1	16.3	36.7	49.0	57.2
152.5°	4.1	12.2	32.7	44.9	49.0
155°	4.1	12.2	28.6	40.8	44.9
157.5°	4.1	12.2	24.5	32.7	36.7
160°	4.1	8.2	20.4	28.6	32.7
162.5°	4.1	8.2	16.3	24.5	28.6
165°	4.1	8.2	12.2	20.4	20.4
167.5°	4.1	8.2	12.2	16.3	16.3
170°	4.1	4.1	8.2	12.2	12.2
172.5°	4.1	4.1	8.2	8.2	8.2
175°	4.1	4.1	4.1	4.1	8.2
177.5°	4.1	4.1	4.1	4.1	4.1
180°	4.1	4.1	4.1	4.1	4.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	44.9	118.4	175.5	200.0
110°	0.0	40.8	110.2	167.4	191.9



(END OF REPORT)