

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: P709768

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWS-L3C3-HO-UNV-3500K-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

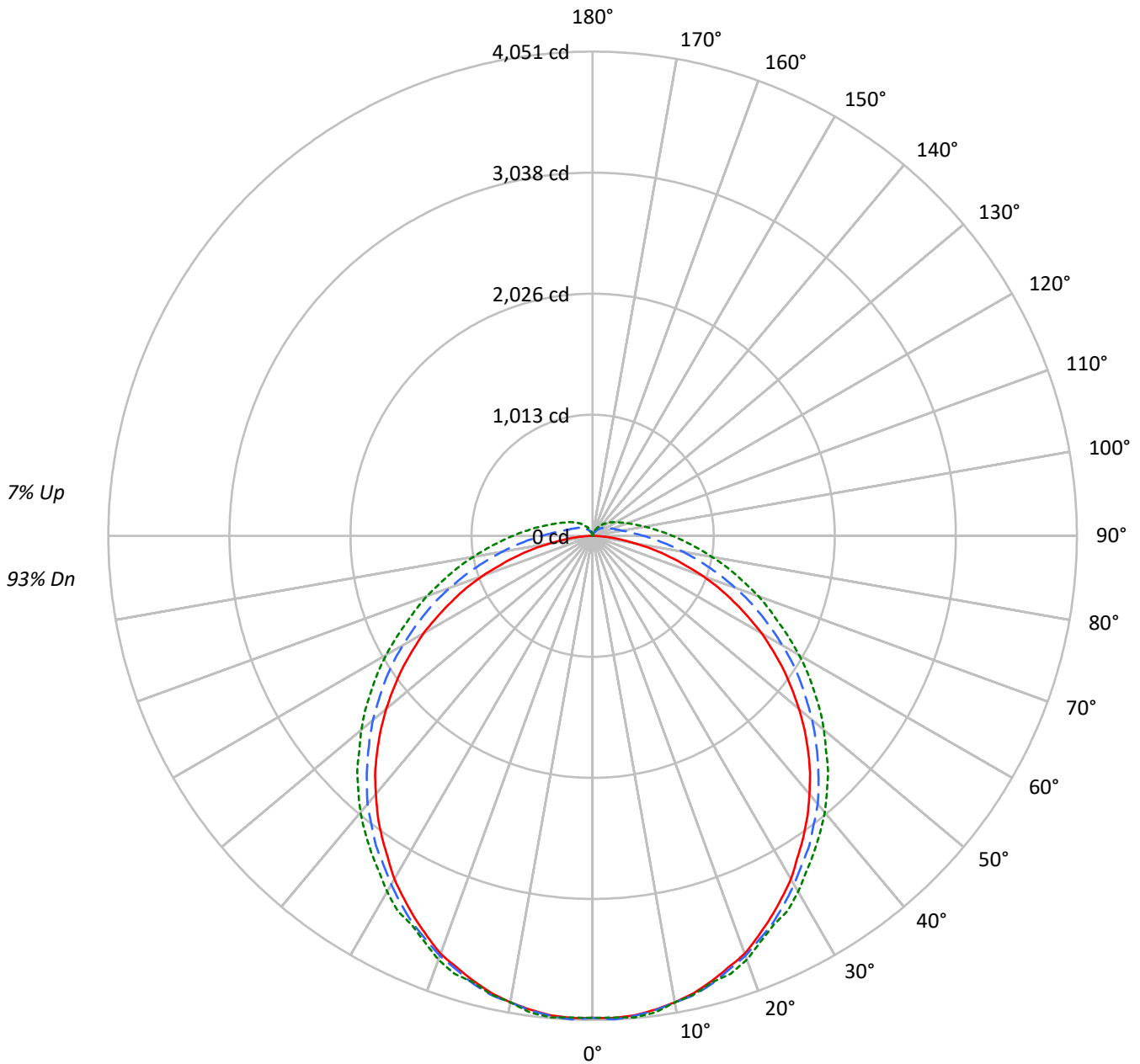
Lumens per Lamp: N/A
Luminaire Lumens: 13064.0 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

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: P709768

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

Luminous Intensity Polar Plot





TEST NUMBER: P709768

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

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	62																			
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52																			
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	44																			
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38																			
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	29																			
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26																			
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	23																			
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12719	12719	12719
5°	12732	12553	12519
10°	12657	12270	12135
15°	12529	12028	11796
20°	12415	11712	11565
25°	12173	11386	11132
30°	11966	11021	10881
35°	11702	10700	10515
40°	11453	10358	10207
45°	11184	9934	9852
50°	10847	9538	9450
55°	10465	9111	9050
60°	10033	8626	8660
65°	9376	8137	8212
70°	8621	7586	7914
75°	7504	7037	7599
80°	5864	6611	7407
85°	3704	6391	7456



TEST NUMBER: P709768

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	2.9
10°-20°	1091.8	8.4
20°-30°	1642.8	12.6
30°-40°	1972.8	15.1
40°-50°	2054.3	15.7
50°-60°	1887.6	14.4
60°-70°	1516.0	11.6
70°-80°	1033.6	7.9
80°-90°	587.4	4.5
90°-100°	329.0	2.5
100°-110°	208.2	1.6
110°-120°	142.1	1.1
120°-130°	97.6	0.7
130°-140°	62.1	0.5
140°-150°	34.6	0.3
150°-160°	15.7	0.1
160°-170°	5.0	0.0
170°-180°	0.6	0.0
0°-30°	3117.3	23.9
0°-40°	5090.2	39.0
0°-60°	9032.1	69.1
0°-90°	12169.1	93.1
90°-120°	679.3	5.2
90°-150°	873.6	6.7
90°-180°	895.0	6.9
0°-180°	13064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4033	4033	4033	4033	4033	
5°	4028	4033	4033	4039	4045	382
15°	3854	3848	3877	3889	3866	1088
25°	3525	3525	3571	3606	3588	1625
35°	3074	3091	3161	3207	3230	1923
45°	2548	2577	2664	2745	2785	1965
55°	1947	2005	2121	2219	2259	1738
65°	1300	1398	1549	1664	1716	1289
75°	653	792	1000	1167	1231	691
85°	121	312	572	757	820	149
90°	6	185	422	595	664	7
95°	0	116	318	480	537	0
105°	0	75	202	318	364	0
115°	0	58	150	231	260	0
125°	6	40	116	173	196	3
135°	6	35	87	127	144	4
145°	6	23	58	87	92	4
155°	6	17	35	52	58	3
165°	6	12	17	23	29	2
175°	6	6	6	6	6	1
180°	6	6	6	6	6	



TEST NUMBER: P709768

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4033.3	4033.3	4033.3	4033.3	4033.3
2.5°	4039.0	4033.3	4050.6	4044.8	4033.3
5°	4027.5	4033.3	4033.3	4039.0	4044.8
7.5°	3998.6	3987.0	4004.4	4021.7	4021.7
10°	3963.9	3952.4	3963.9	3975.5	3963.9
12.5°	3917.7	3894.6	3935.0	3935.0	3929.3
15°	3854.1	3848.4	3877.3	3888.8	3865.7
17.5°	3784.8	3802.1	3802.1	3825.3	3842.6
20°	3721.2	3709.7	3738.6	3755.9	3773.2
22.5°	3623.0	3617.2	3651.9	3680.8	3675.0
25°	3524.8	3524.8	3571.0	3605.7	3588.3
27.5°	3420.8	3420.8	3472.8	3507.4	3536.3
30°	3316.8	3328.3	3368.8	3415.0	3438.1
32.5°	3189.6	3218.5	3259.0	3322.5	3328.3
35°	3074.1	3091.4	3160.7	3207.0	3230.1
37.5°	2952.7	2958.5	3039.4	3103.0	3126.1
40°	2819.8	2831.4	2929.6	2987.4	3022.1
42.5°	2692.7	2704.3	2796.7	2871.8	2900.7
45°	2548.2	2577.1	2663.8	2744.7	2785.2
47.5°	2403.8	2444.2	2530.9	2623.4	2646.5
50°	2253.5	2294.0	2398.0	2473.1	2525.1
52.5°	2097.5	2149.5	2253.5	2351.8	2398.0
55°	1947.3	2005.1	2120.6	2218.9	2259.3
57.5°	1785.5	1854.8	1982.0	2086.0	2132.2
60°	1635.3	1693.0	1831.7	1941.5	1993.5
62.5°	1461.9	1537.0	1687.3	1808.6	1854.8
65°	1300.1	1398.4	1548.6	1664.2	1716.2
67.5°	1144.1	1242.3	1409.9	1531.3	1594.8
70°	976.5	1086.3	1265.5	1404.1	1473.5
72.5°	803.2	930.3	1132.6	1288.6	1346.3
75°	653.0	791.6	999.7	1167.2	1230.8
77.5°	502.7	647.2	878.3	1051.7	1121.0
80°	352.5	514.3	768.5	947.6	1011.2
82.5°	231.1	410.3	664.5	843.6	913.0
85°	121.3	312.0	572.1	757.0	820.5
87.5°	40.4	236.9	491.2	676.1	739.6
90°	5.8	184.9	421.8	595.2	664.5
92.5°	0.0	144.5	364.0	537.4	600.9
95°	0.0	115.6	317.8	479.6	537.4
97.5°	0.0	98.2	283.1	427.6	491.2
100°	0.0	86.7	248.5	387.1	439.2
102.5°	0.0	80.9	225.4	346.7	398.7
105°	0.0	75.1	202.2	317.8	364.0



TEST NUMBER: P709768

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	57.8	161.8	248.5	283.1
115°	0.0	57.8	150.2	231.1	260.0
117.5°	0.0	52.0	144.5	213.8	242.7
120°	0.0	46.2	132.9	202.2	231.1
122.5°	0.0	46.2	121.3	190.7	213.8
125°	5.8	40.4	115.6	173.3	196.5
127.5°	5.8	40.4	109.8	161.8	184.9
130°	5.8	34.7	98.2	150.2	167.6
132.5°	5.8	34.7	92.5	138.7	156.0
135°	5.8	34.7	86.7	127.1	144.5
137.5°	5.8	28.9	75.1	115.6	132.9
140°	5.8	28.9	69.3	104.0	121.3
142.5°	5.8	28.9	63.6	92.5	109.8
145°	5.8	23.1	57.8	86.7	92.5
147.5°	5.8	23.1	52.0	75.1	86.7
150°	5.8	17.3	46.2	63.6	75.1
152.5°	5.8	17.3	40.4	57.8	63.6
155°	5.8	17.3	34.7	52.0	57.8
157.5°	5.8	17.3	28.9	46.2	46.2
160°	5.8	11.6	23.1	34.7	40.4
162.5°	5.8	11.6	23.1	28.9	34.7
165°	5.8	11.6	17.3	23.1	28.9
167.5°	5.8	5.8	11.6	17.3	23.1
170°	5.8	5.8	11.6	11.6	17.3
172.5°	5.8	5.8	5.8	5.8	11.6
175°	5.8	5.8	5.8	5.8	5.8
177.5°	5.8	5.8	5.8	0.0	0.0
180°	5.8	5.8	5.8	5.8	5.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	69.3	190.7	288.9	335.1
110°	0.0	63.6	173.3	265.8	306.3



(END OF REPORT)