

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: P709800

Luminaire Tested: **8AWS-L3C39-CA-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709800
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-L3C39-CA-UNV-3500K-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

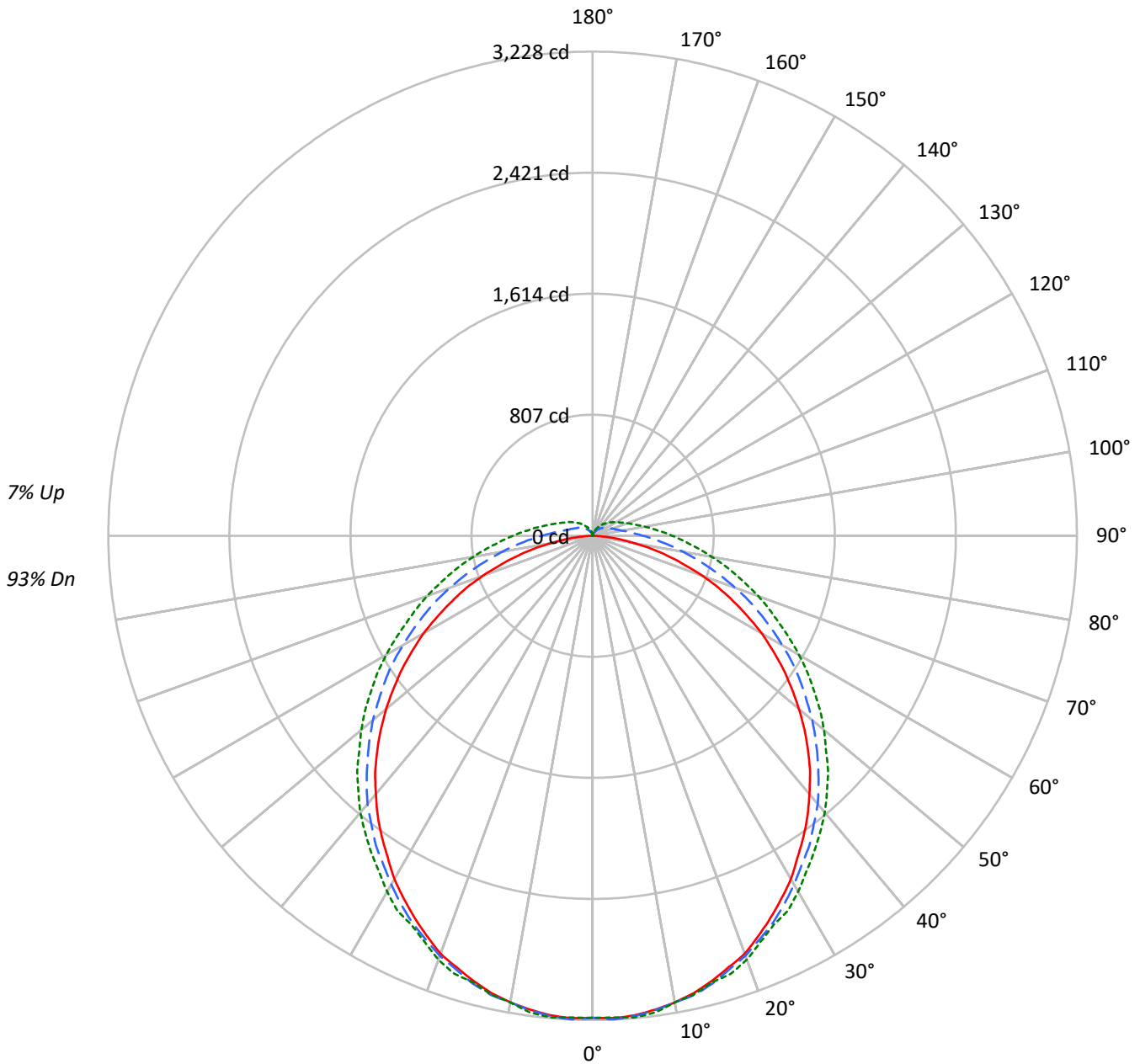
Lumens per Lamp: N/A
Luminaire Lumens: 10411.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10136	10136	10136
5°	10146	10004	9976
10°	10087	9778	9671
15°	9985	9585	9401
20°	9894	9333	9216
25°	9701	9073	8871
30°	9536	8783	8671
35°	9326	8528	8379
40°	9127	8255	8134
45°	8913	7917	7851
50°	8644	7601	7531
55°	8339	7261	7212
60°	7996	6874	6902
65°	7472	6485	6544
70°	6870	6045	6307
75°	5980	5607	6055
80°	4673	5268	5903
85°	2953	5093	5942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.0	2.9
10°-20°	870.1	8.4
20°-30°	1309.2	12.6
30°-40°	1572.2	15.1
40°-50°	1637.1	15.7
50°-60°	1504.3	14.4
60°-70°	1208.1	11.6
70°-80°	823.7	7.9
80°-90°	468.1	4.5
90°-100°	262.2	2.5
100°-110°	165.9	1.6
110°-120°	113.2	1.1
120°-130°	77.8	0.7
130°-140°	49.5	0.5
140°-150°	27.5	0.3
150°-160°	12.5	0.1
160°-170°	4.0	0.0
170°-180°	0.5	0.0
0°-30°	2484.3	23.9
0°-40°	4056.5	39.0
0°-60°	7197.9	69.1
0°-90°	9697.8	93.1
90°-120°	541.4	5.2
90°-150°	696.2	6.7
90°-180°	713.0	6.8
0°-180°	10411.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3214	3214	3214	3214	3214	
5°	3210	3214	3214	3219	3223	305
15°	3072	3067	3090	3099	3081	867
25°	2809	2809	2846	2873	2860	1295
35°	2450	2464	2519	2556	2574	1533
45°	2031	2054	2123	2187	2220	1566
55°	1552	1598	1690	1768	1800	1385
65°	1036	1114	1234	1326	1368	1027
75°	520	631	797	930	981	551
85°	97	249	456	603	654	119
90°	5	147	336	474	530	6
95°	0	92	253	382	428	0
105°	0	60	161	253	290	0
115°	0	46	120	184	207	0
125°	5	32	92	138	157	3
135°	5	28	69	101	115	4
145°	5	18	46	69	74	3
155°	5	14	28	41	46	2
165°	5	9	14	18	23	1
175°	5	5	5	5	5	0
180°	5	5	5	5	5	



TEST NUMBER: P709800

CATALOG NUMBER: 8AWS-L3C39-CA-UNV-3500K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3214.2	3214.2	3214.2	3214.2	3214.2
2.5°	3218.8	3214.2	3228.0	3223.4	3214.2
5°	3209.6	3214.2	3214.2	3218.8	3223.4
7.5°	3186.6	3177.4	3191.2	3205.0	3205.0
10°	3158.9	3149.7	3158.9	3168.2	3158.9
12.5°	3122.1	3103.7	3135.9	3135.9	3131.3
15°	3071.5	3066.8	3089.9	3099.1	3080.7
17.5°	3016.2	3030.0	3030.0	3048.4	3062.2
20°	2965.5	2956.3	2979.4	2993.2	3007.0
22.5°	2887.3	2882.7	2910.3	2933.3	2928.7
25°	2809.0	2809.0	2845.8	2873.4	2859.6
27.5°	2726.1	2726.1	2767.5	2795.2	2818.2
30°	2643.2	2652.4	2684.6	2721.5	2739.9
32.5°	2541.9	2564.9	2597.2	2647.8	2652.4
35°	2449.8	2463.6	2518.9	2555.7	2574.1
37.5°	2353.1	2357.7	2422.2	2472.8	2491.2
40°	2247.2	2256.4	2334.7	2380.7	2408.4
42.5°	2145.9	2155.1	2228.8	2288.6	2311.6
45°	2030.8	2053.8	2122.8	2187.3	2219.6
47.5°	1915.6	1947.9	2016.9	2090.6	2109.0
50°	1795.9	1828.1	1911.0	1970.9	2012.3
52.5°	1671.6	1713.0	1795.9	1874.2	1911.0
55°	1551.8	1597.9	1690.0	1768.3	1800.5
57.5°	1422.9	1478.2	1579.5	1662.4	1699.2
60°	1303.2	1349.2	1459.7	1547.2	1588.7
62.5°	1165.0	1224.9	1344.6	1441.3	1478.2
65°	1036.1	1114.4	1234.1	1326.2	1367.6
67.5°	911.8	990.0	1123.6	1220.3	1270.9
70°	778.2	865.7	1008.5	1119.0	1174.2
72.5°	640.1	741.4	902.6	1026.9	1072.9
75°	520.4	630.9	796.6	930.2	980.8
77.5°	400.6	515.7	699.9	838.1	893.3
80°	280.9	409.8	612.4	755.2	805.9
82.5°	184.2	326.9	529.6	672.3	727.6
85°	96.7	248.7	455.9	603.2	653.9
87.5°	32.2	188.8	391.4	538.8	589.4
90°	4.6	147.4	336.2	474.3	529.6
92.5°	0.0	115.1	290.1	428.3	478.9
95°	0.0	92.1	253.3	382.2	428.3
97.5°	0.0	78.3	225.6	340.8	391.4
100°	0.0	69.1	198.0	308.5	350.0
102.5°	0.0	64.5	179.6	276.3	317.7
105°	0.0	59.9	161.2	253.3	290.1



TEST NUMBER: P709800

CATALOG NUMBER: 8AWS-L3C39-CA-UNV-3500K-MID

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.0	128.9	198.0	225.6
115°	0.0	46.0	119.7	184.2	207.2
117.5°	0.0	41.4	115.1	170.4	193.4
120°	0.0	36.8	105.9	161.2	184.2
122.5°	0.0	36.8	96.7	152.0	170.4
125°	4.6	32.2	92.1	138.1	156.6
127.5°	4.6	32.2	87.5	128.9	147.4
130°	4.6	27.6	78.3	119.7	133.5
132.5°	4.6	27.6	73.7	110.5	124.3
135°	4.6	27.6	69.1	101.3	115.1
137.5°	4.6	23.0	59.9	92.1	105.9
140°	4.6	23.0	55.3	82.9	96.7
142.5°	4.6	23.0	50.7	73.7	87.5
145°	4.6	18.4	46.0	69.1	73.7
147.5°	4.6	18.4	41.4	59.9	69.1
150°	4.6	13.8	36.8	50.7	59.9
152.5°	4.6	13.8	32.2	46.0	50.7
155°	4.6	13.8	27.6	41.4	46.0
157.5°	4.6	13.8	23.0	36.8	36.8
160°	4.6	9.2	18.4	27.6	32.2
162.5°	4.6	9.2	18.4	23.0	27.6
165°	4.6	9.2	13.8	18.4	23.0
167.5°	4.6	4.6	9.2	13.8	18.4
170°	4.6	4.6	9.2	9.2	13.8
172.5°	4.6	4.6	4.6	4.6	9.2
175°	4.6	4.6	4.6	4.6	4.6
177.5°	4.6	4.6	4.6	0.0	0.0
180°	4.6	4.6	4.6	4.6	4.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	55.3	<i>152.0</i>	230.2	267.1
110°	0.0	50.7	<i>138.1</i>	211.8	244.1



(END OF REPORT)