

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: P709787

Luminaire Tested: **8AWS-L3C3-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709787
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-UNV-3500K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

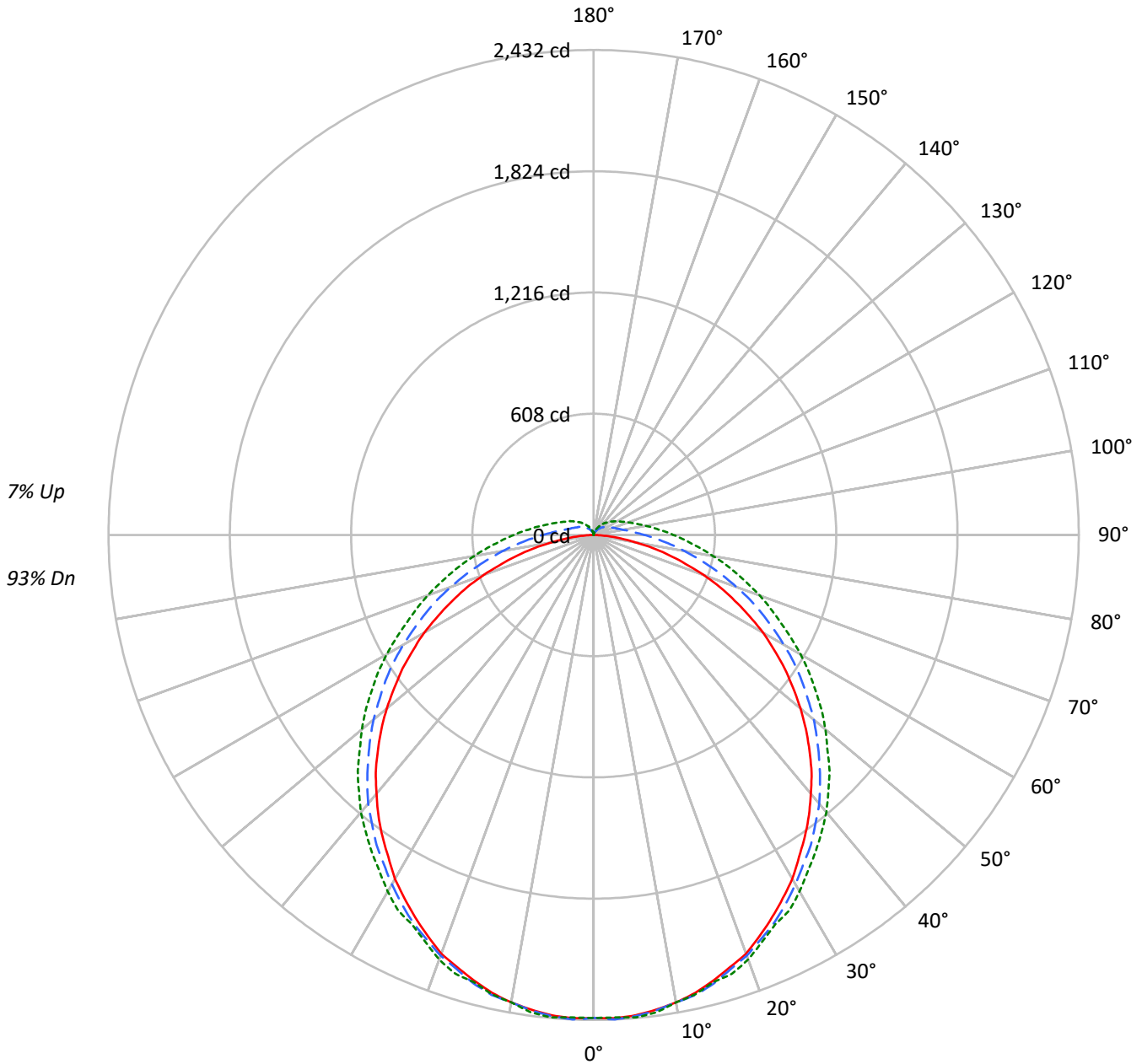
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7844.9 lumens
Efficiency: N/A
Efficacy: 140.1 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): 56
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: P709787
CATALOG NUMBER: 8AWS-L3C3-UNV-3500K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709787

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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°	7638	7638	7638
5°	7645	7538	7517
10°	7601	7368	7287
15°	7524	7222	7084
20°	7455	7033	6945
25°	7310	6837	6685
30°	7186	6618	6534
35°	7027	6426	6314
40°	6878	6220	6129
45°	6716	5965	5916
50°	6514	5728	5675
55°	6284	5471	5435
60°	6025	5180	5201
65°	5630	4886	4932
70°	5177	4555	4752
75°	4506	4225	4563
80°	3522	3970	4447
85°	2226	3837	4477



TEST NUMBER: P709787

CATALOG NUMBER: 8AWS-L3C3-UNV-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	2.9
10°-20°	655.6	8.4
20°-30°	986.5	12.6
30°-40°	1184.7	15.1
40°-50°	1233.6	15.7
50°-60°	1133.5	14.4
60°-70°	910.3	11.6
70°-80°	620.7	7.9
80°-90°	352.8	4.5
90°-100°	197.6	2.5
100°-110°	125.0	1.6
110°-120°	85.3	1.1
120°-130°	58.6	0.7
130°-140°	37.3	0.5
140°-150°	20.7	0.3
150°-160°	9.4	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	1872.0	23.9
0°-40°	3056.7	39.0
0°-60°	5423.8	69.1
0°-90°	7307.6	93.2
90°-120°	407.9	5.2
90°-150°	524.6	6.7
90°-180°	537.0	6.8
0°-180°	7844.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2422	2422	2422	2422	2422	
5°	2418	2422	2422	2426	2429	230
15°	2314	2311	2328	2335	2321	653
25°	2117	2117	2144	2165	2155	976
35°	1846	1856	1898	1926	1940	1155
45°	1530	1548	1600	1648	1672	1180
55°	1169	1204	1274	1332	1357	1044
65°	781	840	930	999	1031	774
75°	392	475	600	701	739	415
85°	73	187	344	455	493	90
90°	4	111	253	357	399	4
95°	0	69	191	288	323	0
105°	0	45	121	191	219	0
115°	0	35	90	139	156	0
125°	4	24	69	104	118	2
135°	4	21	52	76	87	3
145°	4	14	35	52	56	2
155°	4	10	21	31	35	2
165°	4	7	10	14	17	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P709787

CATALOG NUMBER: 8AWS-L3C3-UNV-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2422.0	2422.0	2422.0	2422.0	2422.0
2.5°	2425.5	2422.0	2432.4	2428.9	2422.0
5°	2418.5	2422.0	2422.0	2425.5	2428.9
7.5°	2401.2	2394.2	2404.7	2415.1	2415.1
10°	2380.4	2373.4	2380.4	2387.3	2380.4
12.5°	2352.6	2338.7	2363.0	2363.0	2359.5
15°	2314.4	2311.0	2328.3	2335.3	2321.4
17.5°	2272.8	2283.2	2283.2	2297.1	2307.5
20°	2234.6	2227.7	2245.0	2255.4	2265.9
22.5°	2175.6	2172.2	2193.0	2210.3	2206.9
25°	2116.6	2116.6	2144.4	2165.2	2154.8
27.5°	2054.2	2054.2	2085.4	2106.2	2123.6
30°	1991.7	1998.7	2023.0	2050.7	2064.6
32.5°	1915.4	1932.7	1957.0	1995.2	1998.7
35°	1846.0	1856.4	1898.0	1925.8	1939.7
37.5°	1773.1	1776.6	1825.2	1863.3	1877.2
40°	1693.3	1700.3	1759.2	1793.9	1814.8
42.5°	1617.0	1623.9	1679.4	1724.5	1741.9
45°	1530.2	1547.6	1599.6	1648.2	1672.5
47.5°	1443.5	1467.8	1519.8	1575.3	1589.2
50°	1353.3	1377.6	1440.0	1485.1	1516.4
52.5°	1259.6	1290.8	1353.3	1412.3	1440.0
55°	1169.4	1204.1	1273.5	1332.4	1356.7
57.5°	1072.2	1113.8	1190.2	1252.6	1280.4
60°	982.0	1016.7	1100.0	1165.9	1197.1
62.5°	877.9	923.0	1013.2	1086.1	1113.8
65°	780.7	839.7	929.9	999.3	1030.6
67.5°	687.0	746.0	846.7	919.5	957.7
70°	586.4	652.3	759.9	843.2	884.8
72.5°	482.3	558.7	680.1	773.8	808.5
75°	392.1	475.4	600.3	700.9	739.1
77.5°	301.9	388.6	527.4	631.5	673.2
80°	211.7	308.8	461.5	569.1	607.2
82.5°	138.8	246.4	399.0	506.6	548.2
85°	72.9	187.4	343.5	454.6	492.7
87.5°	24.3	142.3	294.9	406.0	444.1
90°	3.5	111.0	253.3	357.4	399.0
92.5°	0.0	86.7	218.6	322.7	360.9
95°	0.0	69.4	190.8	288.0	322.7
97.5°	0.0	59.0	170.0	256.8	294.9
100°	0.0	52.0	149.2	232.5	263.7
102.5°	0.0	48.6	135.3	208.2	239.4
105°	0.0	45.1	121.4	190.8	218.6



TEST NUMBER: P709787

CATALOG NUMBER: 8AWS-L3C3-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.7	97.2	149.2	170.0
115°	0.0	34.7	90.2	138.8	156.1
117.5°	0.0	31.2	86.7	128.4	145.7
120°	0.0	27.8	79.8	121.4	138.8
122.5°	0.0	27.8	72.9	114.5	128.4
125°	3.5	24.3	69.4	104.1	118.0
127.5°	3.5	24.3	65.9	97.2	111.0
130°	3.5	20.8	59.0	90.2	100.6
132.5°	3.5	20.8	55.5	83.3	93.7
135°	3.5	20.8	52.0	76.3	86.7
137.5°	3.5	17.3	45.1	69.4	79.8
140°	3.5	17.3	41.6	62.5	72.9
142.5°	3.5	17.3	38.2	55.5	65.9
145°	3.5	13.9	34.7	52.0	55.5
147.5°	3.5	13.9	31.2	45.1	52.0
150°	3.5	10.4	27.8	38.2	45.1
152.5°	3.5	10.4	24.3	34.7	38.2
155°	3.5	10.4	20.8	31.2	34.7
157.5°	3.5	10.4	17.3	27.8	27.8
160°	3.5	6.9	13.9	20.8	24.3
162.5°	3.5	6.9	13.9	17.3	20.8
165°	3.5	6.9	10.4	13.9	17.3
167.5°	3.5	3.5	6.9	10.4	13.9
170°	3.5	3.5	6.9	6.9	10.4
172.5°	3.5	3.5	3.5	3.5	6.9
175°	3.5	3.5	3.5	3.5	3.5
177.5°	3.5	3.5	3.5	0.0	0.0
180°	3.5	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	41.6	<i>114.5</i>	173.5	201.3
110°	0.0	38.2	<i>104.1</i>	159.6	183.9



(END OF REPORT)