

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: P709793

Luminaire Tested: **8AWS-L3C3-UNV-5000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709793
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-5000K-LOW
Description: 8foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

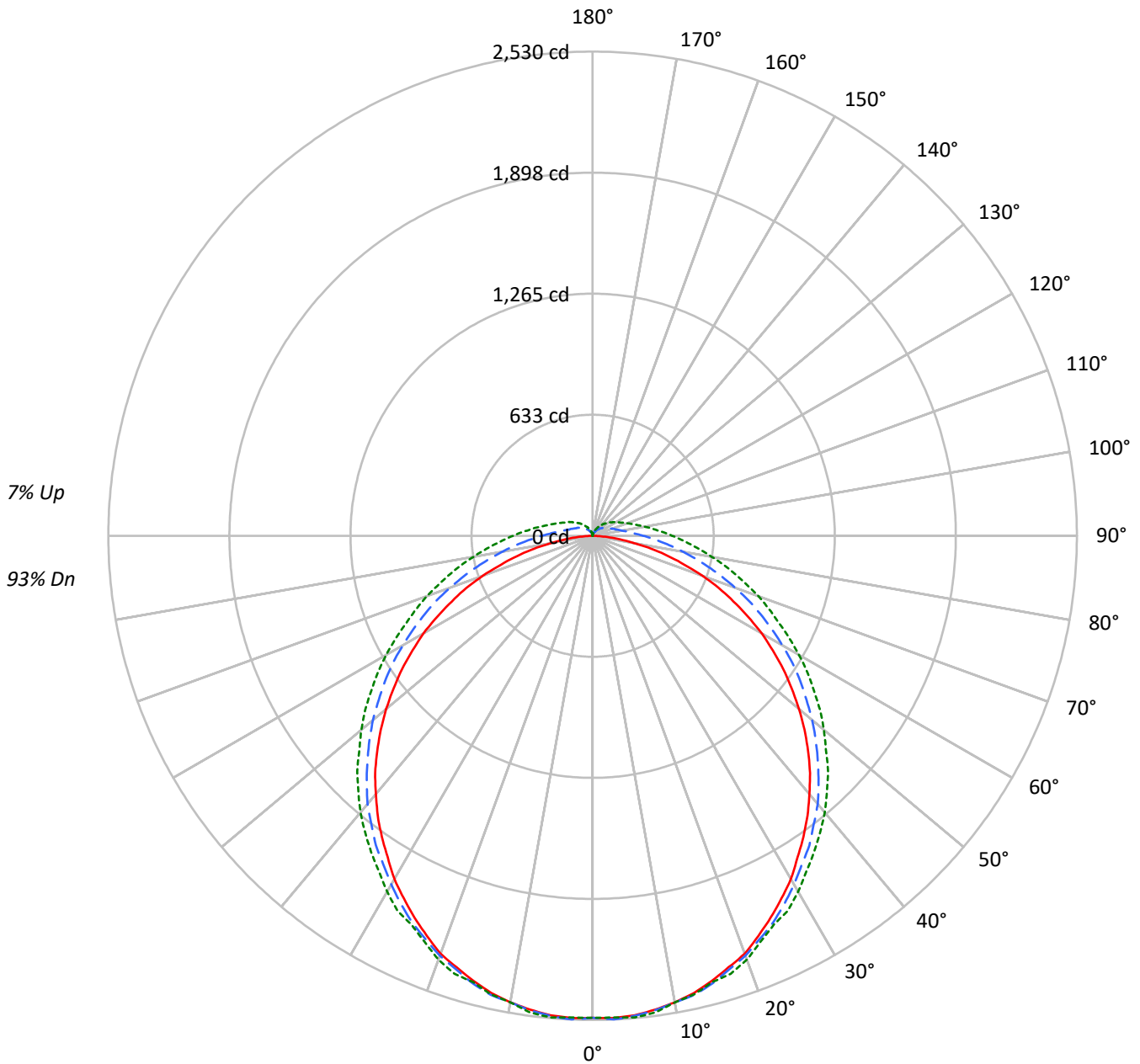
Lumens per Lamp: N/A
Luminaire Lumens: 8159.0 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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: P709793

CATALOG NUMBER: 8AWS-L3C3-UNV-5000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709793

CATALOG NUMBER: 8AWS-L3C3-UNV-5000K-LOW

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°	7944	7944	7944
5°	7951	7840	7819
10°	7905	7663	7579
15°	7825	7512	7367
20°	7754	7314	7223
25°	7603	7111	6952
30°	7474	6883	6795
35°	7309	6683	6567
40°	7153	6469	6375
45°	6985	6204	6153
50°	6774	5957	5902
55°	6536	5690	5652
60°	6266	5387	5409
65°	5856	5082	5129
70°	5384	4737	4942
75°	4686	4394	4746
80°	3661	4129	4625
85°	2315	3991	4656



TEST NUMBER: P709793

CATALOG NUMBER: 8AWS-L3C3-UNV-5000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	2.9
10°-20°	681.9	8.4
20°-30°	1026.0	12.6
30°-40°	1232.1	15.1
40°-50°	1283.0	15.7
50°-60°	1178.9	14.4
60°-70°	946.8	11.6
70°-80°	645.5	7.9
80°-90°	366.9	4.5
90°-100°	205.5	2.5
100°-110°	130.0	1.6
110°-120°	88.8	1.1
120°-130°	61.0	0.7
130°-140°	38.8	0.5
140°-150°	21.6	0.3
150°-160°	9.8	0.1
160°-170°	3.1	0.0
170°-180°	0.4	0.0
0°-30°	1946.9	23.9
0°-40°	3179.0	39.0
0°-60°	5640.9	69.1
0°-90°	7600.1	93.1
90°-120°	424.3	5.2
90°-150°	545.6	6.7
90°-180°	559.0	6.9
0°-180°	8159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2519	2519	2519	2519	2519	
5°	2515	2519	2519	2523	2526	239
15°	2407	2404	2422	2429	2414	679
25°	2201	2201	2230	2252	2241	1015
35°	1920	1931	1974	2003	2017	1201
45°	1592	1610	1664	1714	1739	1227
55°	1216	1252	1324	1386	1411	1086
65°	812	873	967	1039	1072	805
75°	408	494	624	729	769	432
85°	76	195	357	473	512	93
90°	4	116	263	372	415	4
95°	0	72	198	300	336	0
105°	0	47	126	198	227	0
115°	0	36	94	144	162	0
125°	4	25	72	108	123	2
135°	4	22	54	79	90	3
145°	4	14	36	54	58	2
155°	4	11	22	32	36	2
165°	4	7	11	14	18	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P709793

CATALOG NUMBER: 8AWS-L3C3-UNV-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2518.9	2518.9	2518.9	2518.9	2518.9
2.5°	2522.6	2518.9	2529.8	2526.2	2518.9
5°	2515.3	2518.9	2518.9	2522.6	2526.2
7.5°	2497.3	2490.1	2500.9	2511.7	2511.7
10°	2475.6	2468.4	2475.6	2482.9	2475.6
12.5°	2446.8	2432.3	2457.6	2457.6	2454.0
15°	2407.1	2403.5	2421.5	2428.7	2414.3
17.5°	2363.8	2374.6	2374.6	2389.0	2399.9
20°	2324.1	2316.8	2334.9	2345.7	2356.5
22.5°	2262.7	2259.1	2280.8	2298.8	2295.2
25°	2201.4	2201.4	2230.2	2251.9	2241.1
27.5°	2136.4	2136.4	2168.9	2190.5	2208.6
30°	2071.5	2078.7	2103.9	2132.8	2147.2
32.5°	1992.1	2010.1	2035.4	2075.1	2078.7
35°	1919.9	1930.7	1974.0	2002.9	2017.3
37.5°	1844.1	1847.7	1898.2	1937.9	1952.4
40°	1761.1	1768.3	1829.7	1865.7	1887.4
42.5°	1681.7	1688.9	1746.7	1793.6	1811.6
45°	1591.5	1609.5	1663.7	1714.2	1739.4
47.5°	1501.3	1526.5	1580.7	1638.4	1652.8
50°	1407.4	1432.7	1497.7	1544.6	1577.0
52.5°	1310.0	1342.5	1407.4	1468.8	1497.7
55°	1216.2	1252.3	1324.4	1385.8	1411.0
57.5°	1115.1	1158.4	1237.8	1302.8	1331.6
60°	1021.3	1057.4	1144.0	1212.6	1245.0
62.5°	913.0	959.9	1053.8	1129.6	1158.4
65°	812.0	873.3	967.2	1039.3	1071.8
67.5°	714.5	775.9	880.5	956.3	996.0
70°	609.9	678.5	790.3	876.9	920.2
72.5°	501.6	581.0	707.3	804.8	840.9
75°	407.8	494.4	624.3	729.0	768.7
77.5°	314.0	404.2	548.5	656.8	700.1
80°	220.1	321.2	480.0	591.8	631.5
82.5°	144.4	256.2	415.0	526.9	570.2
85°	75.8	194.9	357.3	472.8	512.4
87.5°	25.3	148.0	306.7	422.2	461.9
90°	3.6	115.5	263.4	371.7	415.0
92.5°	0.0	90.2	227.4	335.6	375.3
95°	0.0	72.2	198.5	299.5	335.6
97.5°	0.0	61.3	176.8	267.1	306.7
100°	0.0	54.1	155.2	241.8	274.3
102.5°	0.0	50.5	140.7	216.5	249.0
105°	0.0	46.9	126.3	198.5	227.4



TEST NUMBER: P709793

CATALOG NUMBER: 8AWS-L3C3-UNV-5000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.1	101.0	155.2	176.8
115°	0.0	36.1	93.8	144.4	162.4
117.5°	0.0	32.5	90.2	133.5	151.6
120°	0.0	28.9	83.0	126.3	144.4
122.5°	0.0	28.9	75.8	119.1	133.5
125°	3.6	25.3	72.2	108.3	122.7
127.5°	3.6	25.3	68.6	101.0	115.5
130°	3.6	21.7	61.3	93.8	104.7
132.5°	3.6	21.7	57.7	86.6	97.4
135°	3.6	21.7	54.1	79.4	90.2
137.5°	3.6	18.0	46.9	72.2	83.0
140°	3.6	18.0	43.3	65.0	75.8
142.5°	3.6	18.0	39.7	57.7	68.6
145°	3.6	14.4	36.1	54.1	57.7
147.5°	3.6	14.4	32.5	46.9	54.1
150°	3.6	10.8	28.9	39.7	46.9
152.5°	3.6	10.8	25.3	36.1	39.7
155°	3.6	10.8	21.7	32.5	36.1
157.5°	3.6	10.8	18.0	28.9	28.9
160°	3.6	7.2	14.4	21.7	25.3
162.5°	3.6	7.2	14.4	18.0	21.7
165°	3.6	7.2	10.8	14.4	18.0
167.5°	3.6	3.6	7.2	10.8	14.4
170°	3.6	3.6	7.2	7.2	10.8
172.5°	3.6	3.6	3.6	3.6	7.2
175°	3.6	3.6	3.6	3.6	3.6
177.5°	3.6	3.6	3.6	0.0	0.0
180°	3.6	3.6	3.6	3.6	3.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	43.3	<i>119.1</i>	180.4	209.3
110°	0.0	39.7	<i>108.3</i>	166.0	191.3



(END OF REPORT)