

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: P709733

Luminaire Tested: **4AWS-L3C3-UNV-3500K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709733
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: 4AWS-L3C3-UNV-3500K-LOW
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

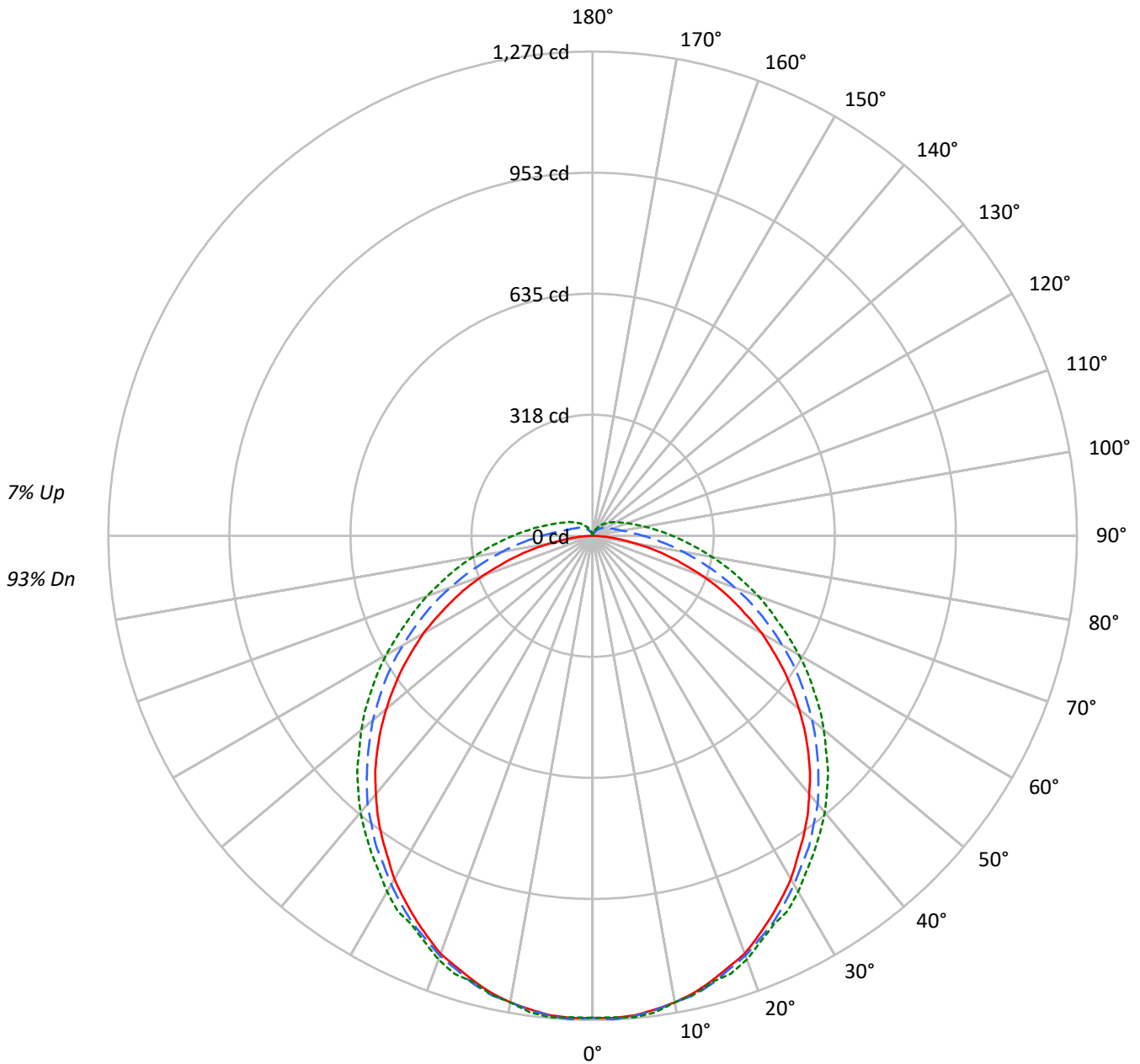
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095.0 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 32
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									
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°	7974	7974	7974
5°	7970	7862	7848
10°	7912	7677	7608
15°	7821	7519	7395
20°	7738	7314	7250
25°	7575	7103	6979
30°	7433	6869	6821
35°	7255	6662	6592
40°	7085	6440	6399
45°	6902	6169	6176
50°	6674	5914	5925
55°	6416	5639	5674
60°	6123	5329	5430
65°	5687	5015	5148
70°	5184	4661	4962
75°	4451	4304	4764
80°	3391	4021	4644
85°	2008	3850	4675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	2.9
10°-20°	342.2	8.4
20°-30°	515.0	12.6
30°-40°	618.4	15.1
40°-50°	643.9	15.7
50°-60°	591.7	14.4
60°-70°	475.2	11.6
70°-80°	324.0	7.9
80°-90°	184.1	4.5
90°-100°	103.1	2.5
100°-110°	65.3	1.6
110°-120°	44.6	1.1
120°-130°	30.6	0.7
130°-140°	19.5	0.5
140°-150°	10.8	0.3
150°-160°	4.9	0.1
160°-170°	1.6	0.0
170°-180°	0.2	0.0
0°-30°	977.2	23.9
0°-40°	1595.6	39.0
0°-60°	2831.2	69.1
0°-90°	3814.5	93.1
90°-120°	212.9	5.2
90°-150°	273.8	6.7
90°-180°	281.0	6.9
0°-180°	4095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1262	1264	1264	1266	1268	120
15°	1208	1206	1215	1219	1212	341
25°	1105	1105	1119	1130	1125	509
35°	964	969	991	1005	1012	603
45°	799	808	835	860	873	616
55°	610	628	665	696	708	545
65°	408	438	485	522	538	404
75°	205	248	313	366	386	217
85°	38	98	179	237	257	47
90°	2	58	132	187	208	2
95°	0	36	100	150	168	0
105°	0	24	63	100	114	0
115°	0	18	47	72	82	0
125°	2	13	36	54	62	1
135°	2	11	27	40	45	1
145°	2	7	18	27	29	1
155°	2	5	11	16	18	1
165°	2	4	5	7	9	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.3	1264.3	1264.3	1264.3	1264.3
2.5°	1266.1	1264.3	1269.7	1267.9	1264.3
5°	1262.4	1264.3	1264.3	1266.1	1267.9
7.5°	1253.4	1249.8	1255.2	1260.6	1260.6
10°	1242.5	1238.9	1242.5	1246.1	1242.5
12.5°	1228.0	1220.8	1233.5	1233.5	1231.7
15°	1208.1	1206.3	1215.4	1219.0	1211.7
17.5°	1186.4	1191.8	1191.8	1199.1	1204.5
20°	1166.4	1162.8	1171.9	1177.3	1182.7
22.5°	1135.7	1133.8	1144.7	1153.8	1152.0
25°	1104.9	1104.9	1119.4	1130.2	1124.8
27.5°	1072.3	1072.3	1088.6	1099.4	1108.5
30°	1039.7	1043.3	1056.0	1070.5	1077.7
32.5°	999.8	1008.9	1021.5	1041.5	1043.3
35°	963.6	969.0	990.8	1005.2	1012.5
37.5°	925.6	927.4	952.7	972.6	979.9
40°	883.9	887.5	918.3	936.4	947.3
42.5°	844.0	847.7	876.6	900.2	909.3
45°	798.8	807.8	835.0	860.3	873.0
47.5°	753.5	766.2	793.3	822.3	829.6
50°	706.4	719.1	751.7	775.2	791.5
52.5°	657.5	673.8	706.4	737.2	751.7
55°	610.4	628.5	664.7	695.5	708.2
57.5°	559.7	581.4	621.3	653.9	668.4
60°	512.6	530.7	574.2	608.6	624.9
62.5°	458.2	481.8	528.9	566.9	581.4
65°	407.5	438.3	485.4	521.6	537.9
67.5°	358.6	389.4	441.9	480.0	499.9
70°	306.1	340.5	396.7	440.1	461.9
72.5°	251.8	291.6	355.0	403.9	422.0
75°	204.7	248.1	313.3	365.9	385.8
77.5°	157.6	202.9	275.3	329.6	351.4
80°	110.5	161.2	240.9	297.0	317.0
82.5°	72.5	128.6	208.3	264.4	286.2
85°	38.0	97.8	179.3	237.3	257.2
87.5°	12.7	74.3	154.0	211.9	231.8
90°	1.8	58.0	132.2	186.6	208.3
92.5°	0.0	45.3	114.1	168.4	188.4
95°	0.0	36.2	99.6	150.3	168.4
97.5°	0.0	30.8	88.8	134.0	154.0
100°	0.0	27.2	77.9	121.4	137.7
102.5°	0.0	25.4	70.6	108.7	125.0
105°	0.0	23.5	63.4	99.6	114.1



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CATALOG NUMBER: 4AWS-L3C3-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.1	50.7	77.9	88.8
115°	0.0	18.1	47.1	72.5	81.5
117.5°	0.0	16.3	45.3	67.0	76.1
120°	0.0	14.5	41.7	63.4	72.5
122.5°	0.0	14.5	38.0	59.8	67.0
125°	1.8	12.7	36.2	54.3	61.6
127.5°	1.8	12.7	34.4	50.7	58.0
130°	1.8	10.9	30.8	47.1	52.5
132.5°	1.8	10.9	29.0	43.5	48.9
135°	1.8	10.9	27.2	39.8	45.3
137.5°	1.8	9.1	23.5	36.2	41.7
140°	1.8	9.1	21.7	32.6	38.0
142.5°	1.8	9.1	19.9	29.0	34.4
145°	1.8	7.2	18.1	27.2	29.0
147.5°	1.8	7.2	16.3	23.5	27.2
150°	1.8	5.4	14.5	19.9	23.5
152.5°	1.8	5.4	12.7	18.1	19.9
155°	1.8	5.4	10.9	16.3	18.1
157.5°	1.8	5.4	9.1	14.5	14.5
160°	1.8	3.6	7.2	10.9	12.7
162.5°	1.8	3.6	7.2	9.1	10.9
165°	1.8	3.6	5.4	7.2	9.1
167.5°	1.8	1.8	3.6	5.4	7.2
170°	1.8	1.8	3.6	3.6	5.4
172.5°	1.8	1.8	1.8	1.8	3.6
175°	1.8	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	1.8	0.0	0.0
180°	1.8	1.8	1.8	1.8	1.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	21.7	59.8	90.6	105.1
110°	0.0	19.9	54.3	83.3	96.0



(END OF REPORT)