

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: P738720

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

Issue Date: 2/13/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4AWS-L3C3-NUV-3500K-LOW  
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting, 3500K, 80CRI

Light Source: -  
Ballast/Driver: -

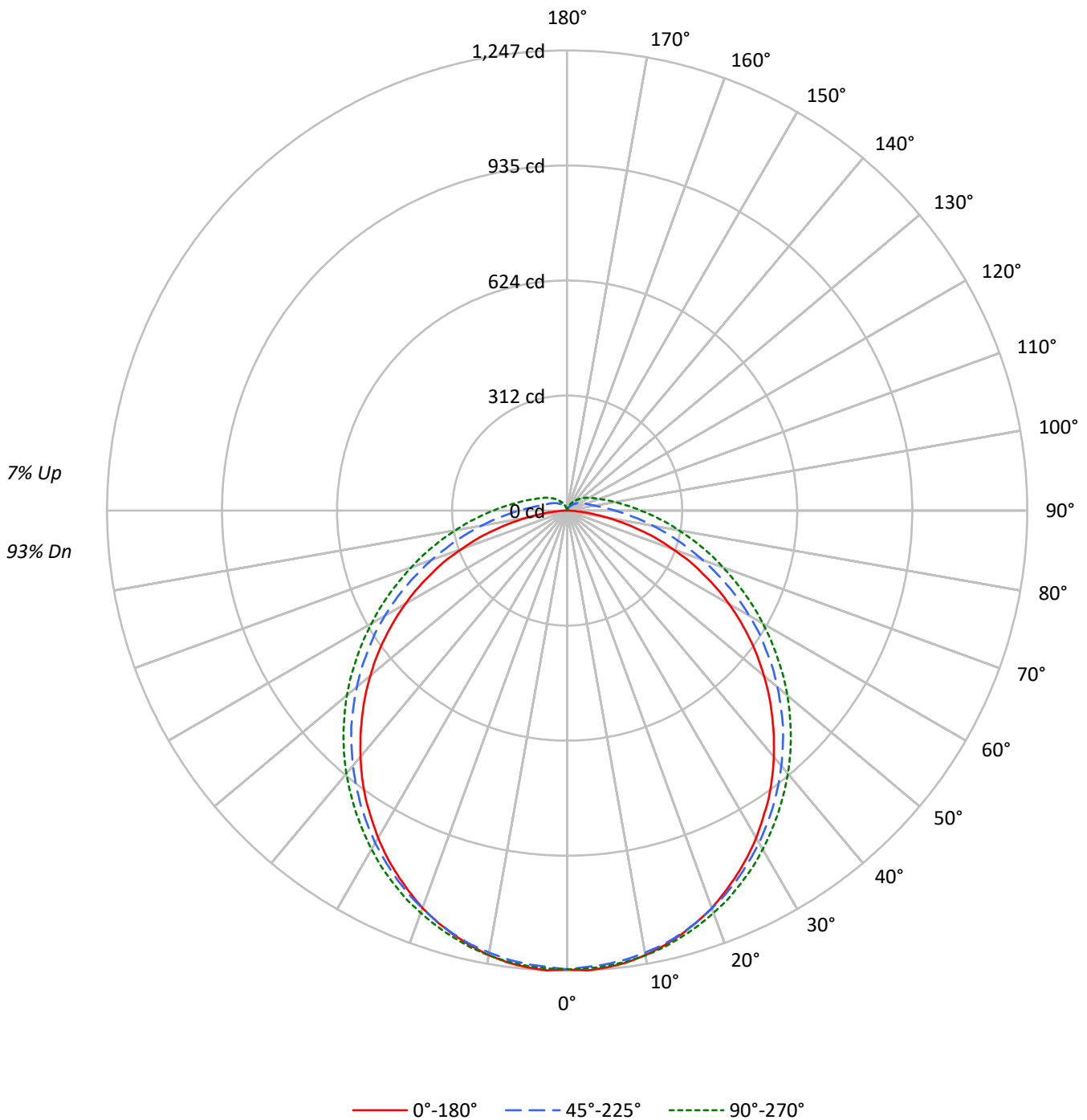
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4034.0 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	
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	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	82	82	80	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	72	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	44	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	28	24	34	28	23	33	27	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7841	7841	7841
5°	7844	7672	7668
10°	7788	7516	7492
15°	7702	7349	7303
20°	7604	7160	7112
25°	7465	6967	6915
30°	7324	6766	6709
35°	7170	6553	6498
40°	6983	6332	6287
45°	6783	6112	6064
50°	6574	5852	5836
55°	6340	5579	5577
60°	6056	5290	5322
65°	5672	4951	5069
70°	5138	4589	4826
75°	4482	4237	4640
80°	3373	3916	4491
85°	1902	3760	4518



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	2.9
10°-20°	336.3	8.3
20°-30°	507.5	12.6
30°-40°	610.6	15.1
40°-50°	636.3	15.8
50°-60°	585.8	14.5
60°-70°	469.9	11.6
70°-80°	318.8	7.9
80°-90°	179.4	4.4
90°-100°	99.9	2.5
100°-110°	63.5	1.6
110°-120°	43.7	1.1
120°-130°	29.7	0.7
130°-140°	18.5	0.5
140°-150°	10.1	0.3
150°-160°	4.5	0.1
160°-170°	1.6	0.0
170°-180°	0.3	0.0
0°-30°	961.5	23.8
0°-40°	1572.1	39.0
0°-60°	2794.2	69.3
0°-90°	3762.3	93.3
90°-120°	207.0	5.1
90°-150°	265.3	6.6
90°-180°	272.0	6.7
0°-180°	4034.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1242	1241	1234	1240	1239	118
15°	1190	1190	1188	1197	1197	336
25°	1089	1093	1098	1112	1114	502
35°	952	961	975	994	998	595
45°	785	803	827	849	857	606
55°	603	625	658	687	696	539
65°	406	435	479	514	530	403
75°	206	246	308	358	376	218
85°	36	97	175	229	249	46
90°	1	56	129	181	200	2
95°	0	36	98	145	161	0
105°	0	23	63	96	110	0
115°	1	17	47	71	80	1
125°	1	13	35	53	60	1
135°	1	9	24	39	44	1
145°	2	7	16	26	29	1
155°	2	5	9	14	17	1
165°	3	4	5	6	9	1
175°	3	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°	1243.1	1243.1	1243.1	1243.1	1243.1
2.5°	1247.4	1244.5	1237.7	1243.4	1242.0
5°	1242.4	1240.6	1233.7	1240.2	1238.8
7.5°	1235.2	1232.6	1226.9	1234.1	1232.6
10°	1222.9	1221.5	1216.4	1224.3	1223.6
12.5°	1207.8	1207.4	1204.2	1211.7	1212.1
15°	1189.8	1190.5	1188.0	1197.0	1196.6
17.5°	1169.2	1168.9	1168.9	1179.3	1179.7
20°	1146.2	1147.2	1147.2	1158.8	1160.2
22.5°	1118.1	1121.3	1124.2	1136.4	1139.3
25°	1088.9	1093.2	1097.9	1111.6	1114.5
27.5°	1058.2	1063.6	1069.4	1084.5	1088.9
30°	1024.4	1030.5	1040.2	1056.8	1060.0
32.5°	987.6	996.6	1007.8	1025.8	1029.4
35°	952.3	960.6	974.7	993.7	998.1
37.5°	912.7	922.8	939.3	960.2	964.9
40°	871.2	883.5	902.9	924.2	930.7
42.5°	828.7	844.2	865.1	887.1	894.7
45°	785.1	803.1	827.3	849.3	857.2
47.5°	742.2	758.5	785.5	809.3	818.3
50°	695.8	716.3	743.7	769.3	779.7
52.5°	651.1	671.6	702.3	727.1	738.3
55°	603.2	624.8	657.6	687.1	696.1
57.5°	555.2	579.7	616.1	644.6	654.7
60°	507.0	530.7	570.0	599.9	612.5
62.5°	458.0	482.5	525.0	557.4	571.5
65°	406.4	434.9	479.2	514.5	529.7
67.5°	358.9	387.7	434.2	472.4	487.9
70°	303.4	337.6	390.6	432.7	449.3
72.5°	256.5	291.9	347.3	395.3	412.6
75°	206.1	246.1	308.4	357.8	375.8
77.5°	157.1	202.1	270.6	322.1	340.9
80°	109.9	162.9	234.6	288.3	306.6
82.5°	70.3	126.5	204.7	257.6	278.2
85°	36.0	96.6	175.1	229.2	248.6
87.5°	13.3	73.5	150.3	203.9	223.4
90°	1.4	55.8	129.4	180.9	199.6
92.5°	0.4	44.0	112.1	161.8	180.5
95°	0.4	36.0	97.6	144.8	161.1
97.5°	0.4	30.6	85.8	130.1	145.6
100°	0.4	27.4	76.4	116.7	131.9
102.5°	0.4	24.9	68.8	105.9	120.0
105°	0.4	23.1	62.7	96.2	109.9
107.5°	0.4	21.3	58.0	88.6	100.2
110°	0.4	19.8	54.0	81.4	92.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	18.4	50.4	75.7	85.8
115°	0.7	17.3	46.8	70.6	79.6
117.5°	0.7	16.2	43.6	65.9	74.2
120°	0.7	15.1	40.7	61.3	69.5
122.5°	1.1	14.1	37.8	56.9	64.9
125°	1.1	13.0	35.0	53.0	60.2
127.5°	1.1	11.9	32.4	49.4	55.8
130°	1.4	11.2	29.9	45.4	51.5
132.5°	1.4	10.1	27.4	41.8	47.6
135°	1.4	9.4	24.5	38.6	43.6
137.5°	1.4	8.6	22.0	35.0	39.6
140°	1.8	7.9	19.5	31.7	36.0
142.5°	1.8	7.2	17.3	28.8	32.4
145°	1.8	6.8	15.5	25.9	29.2
147.5°	2.2	6.5	13.7	22.7	25.9
150°	2.2	5.8	11.9	19.8	22.7
152.5°	2.2	5.4	10.4	16.6	19.8
155°	2.5	5.0	9.0	14.1	17.3
157.5°	2.5	4.7	7.9	11.9	14.8
160°	2.5	4.3	7.2	9.7	12.6
162.5°	2.5	4.0	6.1	7.9	10.4
165°	2.9	3.6	5.4	6.5	8.6
167.5°	2.9	3.2	4.7	5.0	6.8
170°	2.9	3.2	3.6	4.0	5.4
172.5°	2.9	2.9	3.2	2.5	4.0
175°	2.9	2.5	2.5	1.8	2.5
177.5°	3.2	2.9	2.2	1.4	0.4
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)