

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: P738723

Luminaire Tested: **4AWS-L3C3-NUV-4000K-LOW**

Issue Date: 2/13/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738723  
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-4000K-LOW  
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
4000K, 80CRI

Light Source: -  
Ballast/Driver: -

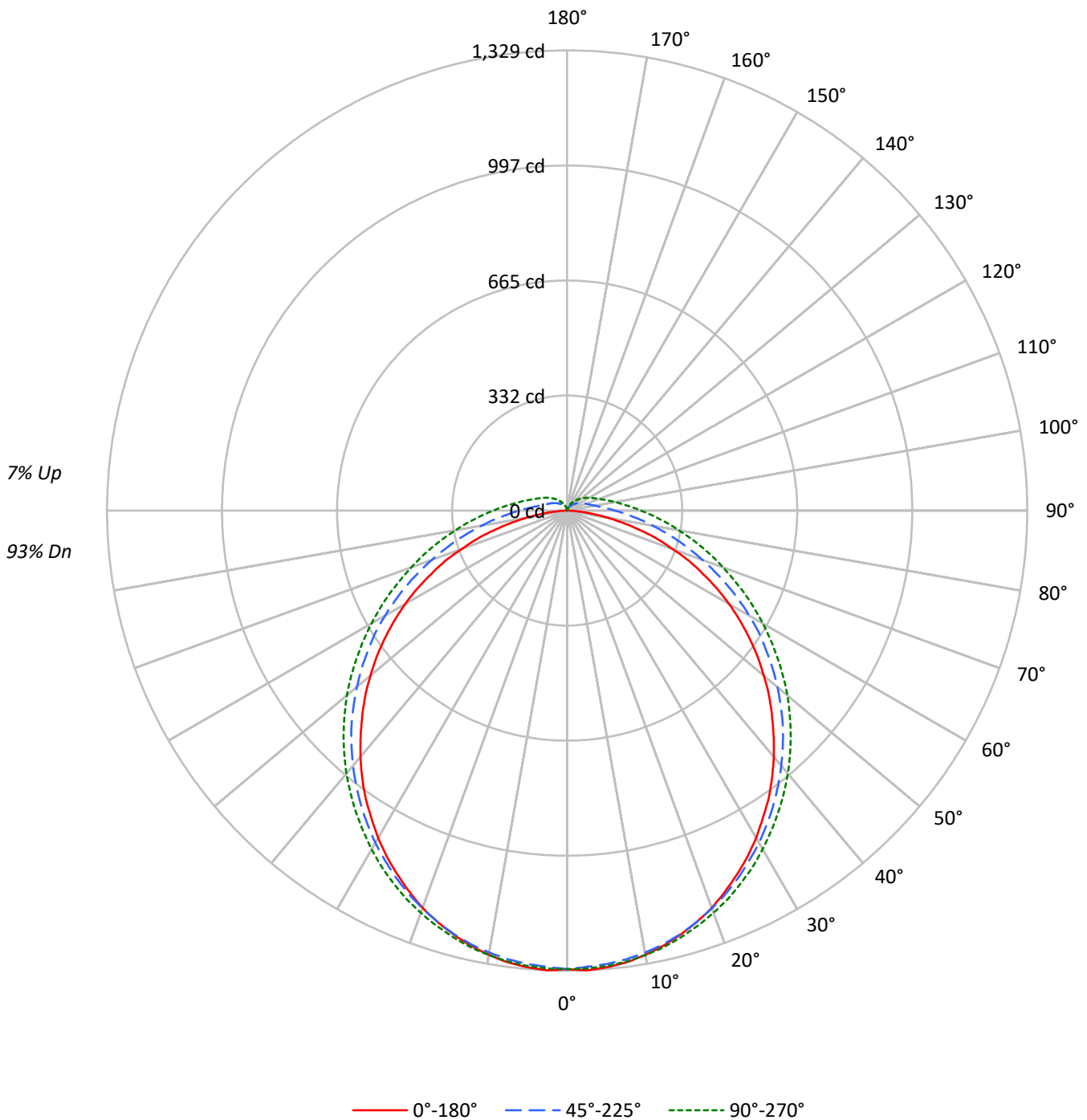
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4298.0 lumens  
Efficiency: N/A  
Efficacy: 138.6 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): 31  
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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CATALOG NUMBER: 4AWS-L3C3-NUV-4000K-LOW

### 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°	8353	8353	8353
5°	8357	8174	8170
10°	8297	8008	7982
15°	8206	7830	7781
20°	8101	7628	7577
25°	7953	7423	7367
30°	7803	7209	7149
35°	7639	6982	6923
40°	7441	6747	6698
45°	7228	6512	6461
50°	7004	6235	6218
55°	6754	5944	5942
60°	6452	5637	5670
65°	6043	5275	5400
70°	5474	4889	5142
75°	4775	4515	4944
80°	3594	4172	4786
85°	2029	4007	4814



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.4	2.9
10°-20°	358.3	8.3
20°-30°	540.7	12.6
30°-40°	650.5	15.1
40°-50°	678.0	15.8
50°-60°	624.1	14.5
60°-70°	500.7	11.6
70°-80°	339.7	7.9
80°-90°	191.1	4.4
90°-100°	106.4	2.5
100°-110°	67.7	1.6
110°-120°	46.5	1.1
120°-130°	31.6	0.7
130°-140°	19.7	0.5
140°-150°	10.8	0.3
150°-160°	4.8	0.1
160°-170°	1.7	0.0
170°-180°	0.3	0.0
0°-30°	1024.4	23.8
0°-40°	1675.0	39.0
0°-60°	2977.1	69.3
0°-90°	4008.6	93.3
90°-120°	220.6	5.1
90°-150°	282.7	6.6
90°-180°	289.0	6.7
0°-180°	4298.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1324	1322	1314	1321	1320	126
15°	1268	1268	1266	1275	1275	358
25°	1160	1165	1170	1184	1187	535
35°	1015	1024	1038	1059	1063	634
45°	836	856	881	905	913	646
55°	643	666	701	732	742	574
65°	433	463	511	548	564	429
75°	220	262	329	381	400	232
85°	38	103	187	244	265	49
90°	2	60	138	193	213	2
95°	0	38	104	154	172	0
105°	0	25	67	102	117	0
115°	1	18	50	75	85	1
125°	1	14	37	56	64	1
135°	2	10	26	41	46	1
145°	2	7	16	28	31	1
155°	3	5	10	15	18	1
165°	3	4	6	7	9	1
175°	3	3	3	2	3	0
180°	2	2	2	2	2	



TEST NUMBER: P738723

CATALOG NUMBER: 4AWS-L3C3-NUV-4000K-LOW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1324.4	1324.4	1324.4	1324.4	1324.4
2.5°	1329.0	1326.0	1318.7	1324.8	1323.3
5°	1323.7	1321.8	1314.5	1321.4	1319.8
7.5°	1316.0	1313.3	1307.2	1314.8	1313.3
10°	1302.9	1301.4	1296.0	1304.5	1303.7
12.5°	1286.8	1286.4	1283.0	1291.0	1291.4
15°	1267.6	1268.4	1265.7	1275.3	1274.9
17.5°	1245.7	1245.4	1245.4	1256.5	1256.9
20°	1221.2	1222.3	1222.3	1234.6	1236.1
22.5°	1191.2	1194.7	1197.8	1210.8	1213.9
25°	1160.1	1164.7	1169.7	1184.3	1187.4
27.5°	1127.5	1133.3	1139.4	1155.5	1160.1
30°	1091.4	1097.9	1108.3	1126.0	1129.4
32.5°	1052.3	1061.9	1073.8	1092.9	1096.8
35°	1014.6	1023.5	1038.4	1058.8	1063.4
37.5°	972.4	983.2	1000.8	1023.1	1028.1
40°	928.3	941.3	962.0	984.7	991.6
42.5°	883.0	899.5	921.7	945.1	953.2
45°	836.5	855.7	881.4	904.8	913.3
47.5°	790.8	808.1	836.9	862.2	871.8
50°	741.3	763.2	792.4	819.6	830.7
52.5°	693.7	715.6	748.2	774.7	786.6
55°	642.6	665.7	700.6	732.1	741.7
57.5°	591.6	617.7	656.5	686.8	697.5
60°	540.1	565.5	607.3	639.2	652.6
62.5°	487.9	514.0	559.3	593.9	608.9
65°	433.0	463.4	510.6	548.2	564.3
67.5°	382.4	413.1	462.6	503.3	519.8
70°	323.2	359.7	416.1	461.1	478.7
72.5°	273.3	311.0	370.1	421.1	439.6
75°	219.6	262.2	328.6	381.2	400.4
77.5°	167.4	215.4	288.3	343.2	363.2
80°	117.1	173.5	249.9	307.1	326.7
82.5°	74.9	134.7	218.1	274.5	296.4
85°	38.4	102.9	186.6	244.2	264.9
87.5°	14.2	78.3	160.1	217.3	238.0
90°	1.5	59.5	137.8	192.7	212.7
92.5°	0.4	46.8	119.4	172.4	192.3
95°	0.4	38.4	104.0	154.3	171.6
97.5°	0.4	32.6	91.4	138.6	155.1
100°	0.4	29.2	81.4	124.4	140.5
102.5°	0.4	26.5	73.3	112.9	127.8
105°	0.4	24.6	66.8	102.5	117.1
107.5°	0.4	22.6	61.8	94.4	106.7
110°	0.4	21.1	57.6	86.8	98.3



TEST NUMBER: P738723

CATALOG NUMBER: 4AWS-L3C3-NUV-4000K-LOW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	19.6	53.7	80.6	91.4
115°	0.8	18.4	49.9	75.2	84.8
117.5°	0.8	17.3	46.5	70.3	79.1
120°	0.8	16.1	43.4	65.3	74.1
122.5°	1.2	15.0	40.3	60.7	69.1
125°	1.2	13.8	37.2	56.4	64.1
127.5°	1.2	12.7	34.6	52.6	59.5
130°	1.5	11.9	31.9	48.4	54.9
132.5°	1.5	10.7	29.2	44.5	50.7
135°	1.5	10.0	26.1	41.1	46.5
137.5°	1.5	9.2	23.4	37.2	42.2
140°	1.9	8.4	20.7	33.8	38.4
142.5°	1.9	7.7	18.4	30.7	34.6
145°	1.9	7.3	16.5	27.6	31.1
147.5°	2.3	6.9	14.6	24.2	27.6
150°	2.3	6.1	12.7	21.1	24.2
152.5°	2.3	5.8	11.1	17.7	21.1
155°	2.7	5.4	9.6	15.0	18.4
157.5°	2.7	5.0	8.4	12.7	15.7
160°	2.7	4.6	7.7	10.4	13.4
162.5°	2.7	4.2	6.5	8.4	11.1
165°	3.1	3.8	5.8	6.9	9.2
167.5°	3.1	3.5	5.0	5.4	7.3
170°	3.1	3.5	3.8	4.2	5.8
172.5°	3.1	3.1	3.5	2.7	4.2
175°	3.1	2.7	2.7	1.9	2.7
177.5°	3.5	3.1	2.3	1.5	0.4
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)