

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: P738726

Luminaire Tested: **4AWS-L3C3-NUV-5000K-LOW**

Issue Date: 2/13/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738726  
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-5000K-LOW  
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,  
5000K, 80CRI

Light Source: -  
Ballast/Driver: -

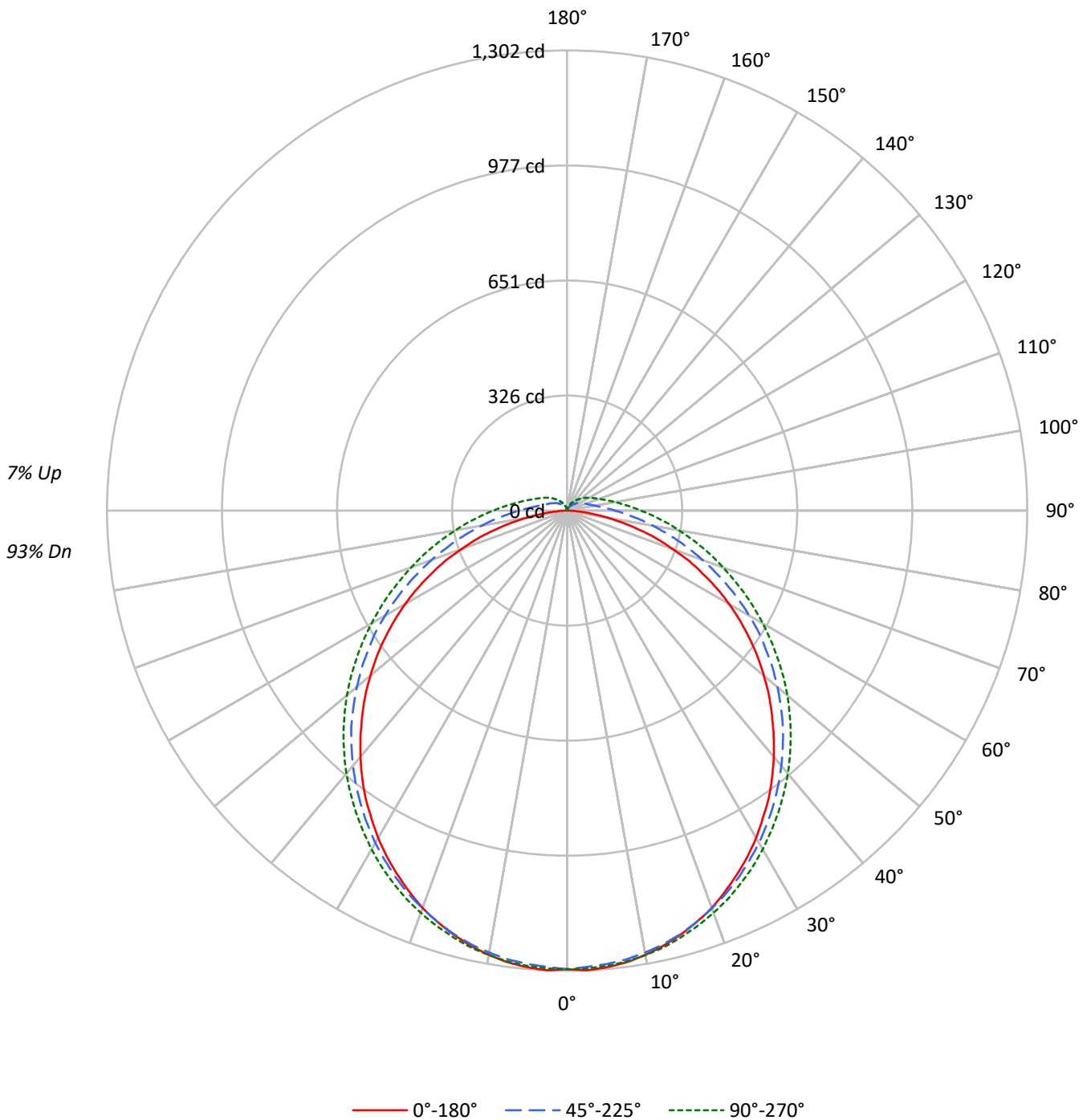
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4211.0 lumens  
Efficiency: N/A  
Efficacy: 127.6 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): 33  
Input Voltage (V): NR  
Input Current (Ain): 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	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°	8184	8184	8184
5°	8188	8008	8004
10°	8130	7846	7821
15°	8040	7671	7623
20°	7937	7474	7424
25°	7792	7273	7218
30°	7645	7063	7004
35°	7485	6841	6783
40°	7291	6611	6562
45°	7082	6380	6330
50°	6862	6108	6092
55°	6618	5824	5822
60°	6321	5522	5555
65°	5922	5167	5291
70°	5364	4790	5038
75°	4677	4424	4844
80°	3520	4088	4689
85°	1987	3926	4716



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.9	2.9
10°-20°	351.1	8.3
20°-30°	529.8	12.6
30°-40°	637.4	15.1
40°-50°	664.3	15.8
50°-60°	611.5	14.5
60°-70°	490.5	11.6
70°-80°	332.8	7.9
80°-90°	187.2	4.4
90°-100°	104.2	2.5
100°-110°	66.3	1.6
110°-120°	45.6	1.1
120°-130°	31.0	0.7
130°-140°	19.3	0.5
140°-150°	10.6	0.3
150°-160°	4.7	0.1
160°-170°	1.6	0.0
170°-180°	0.3	0.0
0°-30°	1003.7	23.8
0°-40°	1641.1	39.0
0°-60°	2916.8	69.3
0°-90°	3927.4	93.3
90°-120°	216.1	5.1
90°-150°	277.0	6.6
90°-180°	284.0	6.7
0°-180°	4211.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1297	1295	1288	1295	1293	123
15°	1242	1243	1240	1250	1249	350
25°	1137	1141	1146	1160	1163	524
35°	994	1003	1017	1037	1042	621
45°	820	838	864	886	895	633
55°	630	652	686	717	727	563
65°	424	454	500	537	553	421
75°	215	257	322	374	392	227
85°	38	101	183	239	260	48
90°	2	58	135	189	208	2
95°	0	38	102	151	168	0
105°	0	24	65	100	115	0
115°	1	18	49	74	83	1
125°	1	14	36	55	63	1
135°	2	10	26	40	46	1
145°	2	7	16	27	30	1
155°	3	5	9	15	18	1
165°	3	4	6	7	9	1
175°	3	3	3	2	3	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1297.6	1297.6	1297.6	1297.6	1297.6
2.5°	1302.1	1299.1	1292.0	1298.0	1296.5
5°	1296.9	1295.0	1287.8	1294.6	1293.1
7.5°	1289.4	1286.7	1280.7	1288.2	1286.7
10°	1276.6	1275.1	1269.8	1278.1	1277.3
12.5°	1260.8	1260.4	1257.0	1264.9	1265.3
15°	1242.0	1242.7	1240.1	1249.5	1249.1
17.5°	1220.5	1220.1	1220.1	1231.1	1231.4
20°	1196.5	1197.6	1197.6	1209.6	1211.1
22.5°	1167.1	1170.5	1173.5	1186.3	1189.3
25°	1136.6	1141.2	1146.1	1160.3	1163.4
27.5°	1104.7	1110.3	1116.3	1132.1	1136.6
30°	1069.3	1075.7	1085.9	1103.2	1106.6
32.5°	1031.0	1040.4	1052.0	1070.8	1074.6
35°	994.1	1002.7	1017.4	1037.4	1041.9
37.5°	952.7	963.3	980.6	1002.4	1007.3
40°	909.5	922.3	942.6	964.8	971.5
42.5°	865.1	881.3	903.1	926.0	933.9
45°	819.6	838.4	863.6	886.5	894.8
47.5°	774.8	791.7	820.0	844.8	854.2
50°	726.3	747.7	776.3	803.0	813.9
52.5°	679.7	701.1	733.1	759.0	770.7
55°	629.6	652.2	686.4	717.3	726.7
57.5°	579.6	605.2	643.2	672.9	683.4
60°	529.2	554.0	595.0	626.2	639.4
62.5°	478.1	503.6	548.0	581.9	596.5
65°	424.3	454.0	500.2	537.1	552.9
67.5°	374.6	404.7	453.2	493.1	509.3
70°	316.7	352.4	407.7	451.7	469.0
72.5°	267.8	304.7	362.6	412.6	430.7
75°	215.1	256.9	322.0	373.5	392.3
77.5°	164.0	211.0	282.5	336.3	355.8
80°	114.7	170.0	244.9	300.9	320.1
82.5°	73.3	132.0	213.6	268.9	290.4
85°	37.6	100.8	182.8	239.2	259.5
87.5°	13.9	76.7	156.8	212.9	233.2
90°	1.5	58.3	135.0	188.8	208.4
92.5°	0.4	45.9	117.0	168.9	188.4
95°	0.4	37.6	101.9	151.2	168.1
97.5°	0.4	32.0	89.5	135.8	152.0
100°	0.4	28.6	79.7	121.9	137.7
102.5°	0.4	26.0	71.8	110.6	125.2
105°	0.4	24.1	65.4	100.4	114.7
107.5°	0.4	22.2	60.6	92.5	104.6
110°	0.4	20.7	56.4	85.0	96.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	19.2	52.7	79.0	89.5
115°	0.8	18.1	48.9	73.7	83.1
117.5°	0.8	16.9	45.5	68.8	77.5
120°	0.8	15.8	42.5	63.9	72.6
122.5°	1.1	14.7	39.5	59.4	67.7
125°	1.1	13.5	36.5	55.3	62.8
127.5°	1.1	12.4	33.9	51.5	58.3
130°	1.5	11.7	31.2	47.4	53.8
132.5°	1.5	10.5	28.6	43.6	49.6
135°	1.5	9.8	25.6	40.2	45.5
137.5°	1.5	9.0	22.9	36.5	41.4
140°	1.9	8.3	20.3	33.1	37.6
142.5°	1.9	7.5	18.1	30.1	33.9
145°	1.9	7.1	16.2	27.1	30.5
147.5°	2.3	6.8	14.3	23.7	27.1
150°	2.3	6.0	12.4	20.7	23.7
152.5°	2.3	5.6	10.9	17.3	20.7
155°	2.6	5.3	9.4	14.7	18.1
157.5°	2.6	4.9	8.3	12.4	15.4
160°	2.6	4.5	7.5	10.2	13.2
162.5°	2.6	4.1	6.4	8.3	10.9
165°	3.0	3.8	5.6	6.8	9.0
167.5°	3.0	3.4	4.9	5.3	7.1
170°	3.0	3.4	3.8	4.1	5.6
172.5°	3.0	3.0	3.4	2.6	4.1
175°	3.0	2.6	2.6	1.9	2.6
177.5°	3.4	3.0	2.3	1.5	0.4
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)