

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: P738729

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWWS-L3C3-NUV-3500K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

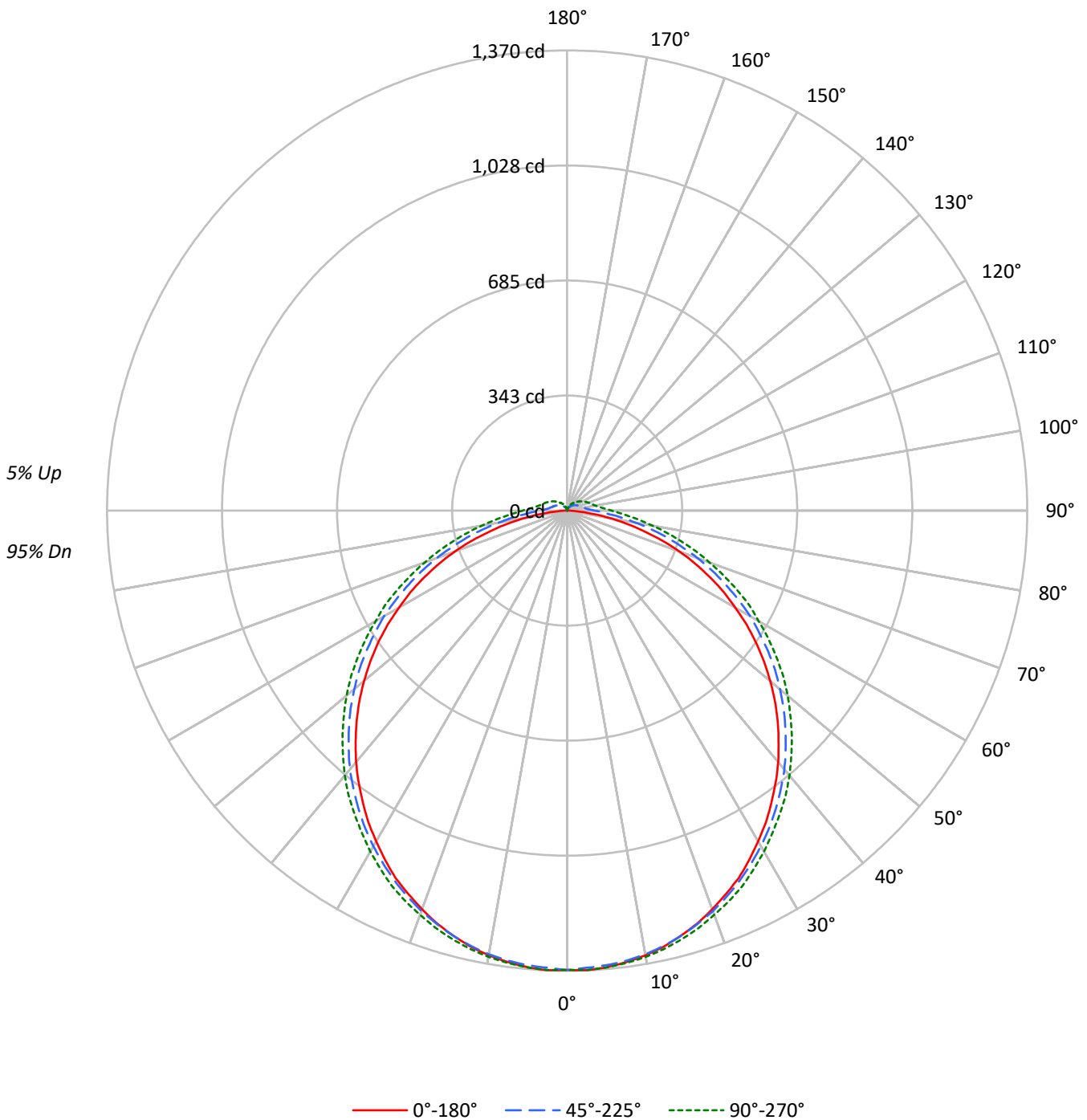
Lumens per Lamp: N/A
Luminaire Lumens: 4263.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P738729

CATALOG NUMBER: 4AWWS-L3C3-NUV-3500K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P738729

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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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95				
1	107	102	97	93	104	99	95	91	94	91	88	89	87	84	85	83	81	78				
2	97	88	81	75	94	86	80	74	82	76	72	78	73	69	74	70	67	65				
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	61	57	54				
4	81	68	59	53	78	67	58	52	64	56	51	61	55	50	58	53	48	46				
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40				
6	68	55	46	39	66	54	45	39	51	44	38	49	43	37	47	41	37	35				
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31				
8	59	45	37	31	57	44	36	31	43	35	30	41	34	30	40	34	29	27				
9	55	41	33	28	53	41	33	27	39	32	27	38	31	27	36	31	26	24				
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4781	4781	4781
5°	4768	4694	4705
10°	4734	4617	4623
15°	4684	4528	4531
20°	4623	4434	4433
25°	4560	4331	4344
30°	4471	4225	4230
35°	4384	4113	4118
40°	4295	3996	4009
45°	4189	3859	3881
50°	4068	3713	3747
55°	3931	3552	3585
60°	3742	3369	3400
65°	3529	3121	3203
70°	3224	2841	2949
75°	2728	2499	2678
80°	2061	2072	2402
85°	1090	1695	2193



TEST NUMBER: P738729

CATALOG NUMBER: 4AWWS-L3C3-NUV-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	3.0
10°-20°	370.9	8.7
20°-30°	561.6	13.2
30°-40°	678.0	15.9
40°-50°	708.3	16.6
50°-60°	650.6	15.3
60°-70°	511.9	12.0
70°-80°	318.8	7.5
80°-90°	139.3	3.3
90°-100°	62.7	1.5
100°-110°	44.5	1.0
110°-120°	33.4	0.8
120°-130°	23.8	0.6
130°-140°	15.5	0.4
140°-150°	8.8	0.2
150°-160°	4.0	0.1
160°-170°	1.2	0.0
170°-180°	0.1	0.0
0°-30°	1062.0	24.9
0°-40°	1740.0	40.8
0°-60°	3098.9	72.7
0°-90°	4068.9	95.4
90°-120°	140.6	3.3
90°-150°	188.6	4.4
90°-180°	194.0	4.6
0°-180°	4263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1368	1368	1368	1368	1368	
5°	1364	1364	1358	1364	1365	130
15°	1310	1312	1311	1319	1321	370
25°	1208	1210	1216	1228	1234	556
35°	1060	1069	1083	1098	1103	664
45°	886	900	919	937	946	683
55°	687	706	730	753	760	614
65°	469	489	521	547	557	463
75°	236	266	307	338	350	252
85°	41	77	128	169	183	53
90°	0	34	81	118	132	2
95°	0	23	59	89	102	0
105°	0	17	45	67	76	0
115°	0	14	36	54	61	0
125°	0	11	28	42	48	0
135°	0	9	21	32	36	0
145°	0	6	14	23	25	0
155°	0	4	9	13	16	0
165°	1	2	4	6	8	0
175°	1	1	1	1	1	0
180°	0	0	0	0	0	0



TEST NUMBER: P738729

CATALOG NUMBER: 4AWWS-L3C3-NUV-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1369.8	1368.7	1362.3	1368.2	1368.7
5°	1364.4	1364.4	1358.5	1363.9	1365.0
7.5°	1355.8	1356.4	1351.5	1358.0	1358.5
10°	1344.5	1344.5	1341.3	1347.8	1349.4
12.5°	1329.5	1330.0	1327.3	1334.9	1336.5
15°	1310.1	1311.8	1310.7	1319.3	1320.9
17.5°	1288.7	1290.8	1290.8	1300.5	1302.6
20°	1263.4	1266.6	1268.8	1279.5	1280.6
22.5°	1235.5	1239.8	1243.0	1255.3	1258.6
25°	1207.5	1210.2	1215.6	1228.5	1233.8
27.5°	1173.1	1178.5	1185.5	1199.4	1203.2
30°	1137.1	1144.6	1153.8	1168.8	1172.0
32.5°	1101.1	1108.1	1119.9	1134.4	1137.6
35°	1060.3	1069.4	1083.4	1098.4	1103.3
37.5°	1020.0	1030.7	1045.2	1060.8	1068.9
40°	977.5	988.3	1006.0	1021.0	1029.6
42.5°	931.8	944.7	963.0	981.3	987.7
45°	886.2	899.6	918.9	936.7	945.8
47.5°	838.9	853.9	874.9	892.6	901.2
50°	788.9	806.6	827.0	848.0	857.1
52.5°	738.9	756.1	780.3	802.9	810.9
55°	687.3	706.1	730.3	752.9	760.4
57.5°	634.1	651.9	678.2	701.8	710.4
60°	577.7	600.3	629.8	651.9	658.8
62.5°	525.6	544.9	573.9	599.2	611.5
65°	468.6	489.0	520.7	547.1	557.3
67.5°	411.6	432.1	467.5	493.9	503.5
70°	355.2	375.1	413.3	440.1	450.9
72.5°	295.6	319.7	356.3	389.1	400.4
75°	236.5	265.5	307.4	337.5	349.8
77.5°	183.2	211.7	254.7	290.2	303.1
80°	129.0	159.6	206.4	242.4	257.9
82.5°	81.1	115.0	165.0	203.7	217.1
85°	41.4	77.4	127.9	169.3	182.7
87.5°	12.4	50.0	102.1	140.3	154.2
90°	0.5	33.9	81.1	118.2	132.2
92.5°	0.5	25.8	67.7	101.0	113.9
95°	0.0	22.6	59.1	89.2	101.6
97.5°	0.0	21.0	54.3	81.1	91.9
100°	0.0	19.3	50.5	75.8	85.4
102.5°	0.5	18.3	47.3	71.5	80.1
105°	0.5	17.2	44.6	67.2	75.8
107.5°	0.5	16.1	42.5	63.9	72.0
110°	0.5	15.6	40.3	60.2	68.2



TEST NUMBER: P738729

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	14.5	37.6	57.0	64.5
115°	0.5	14.0	35.5	53.7	60.7
117.5°	0.5	13.4	33.9	50.5	57.5
120°	0.5	12.9	31.7	47.8	54.3
122.5°	0.5	11.8	30.1	44.6	50.5
125°	0.5	11.3	28.5	41.9	47.8
127.5°	0.5	10.7	26.3	39.2	44.6
130°	0.5	9.7	24.7	37.1	41.4
132.5°	0.5	9.1	23.1	34.4	38.7
135°	0.5	8.6	21.0	31.7	35.5
137.5°	0.5	7.5	19.3	29.6	32.8
140°	0.5	7.0	17.7	26.9	30.1
142.5°	0.5	6.4	15.6	24.7	27.4
145°	0.5	5.9	14.0	22.6	24.7
147.5°	0.5	5.4	12.4	20.4	22.6
150°	0.5	4.8	11.3	18.3	19.9
152.5°	0.5	4.3	9.7	15.6	17.7
155°	0.5	4.3	8.6	13.4	15.6
157.5°	1.1	3.8	7.5	11.3	13.4
160°	0.5	3.2	5.9	9.1	11.3
162.5°	1.1	2.7	5.4	7.5	9.7
165°	1.1	2.1	4.3	5.9	7.5
167.5°	1.1	1.6	3.2	4.3	5.9
170°	1.1	1.6	2.7	3.2	4.3
172.5°	1.1	1.1	1.6	2.1	2.7
175°	1.1	1.1	1.1	1.1	1.1
177.5°	1.1	1.1	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)