

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: P738732

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738732
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-4000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

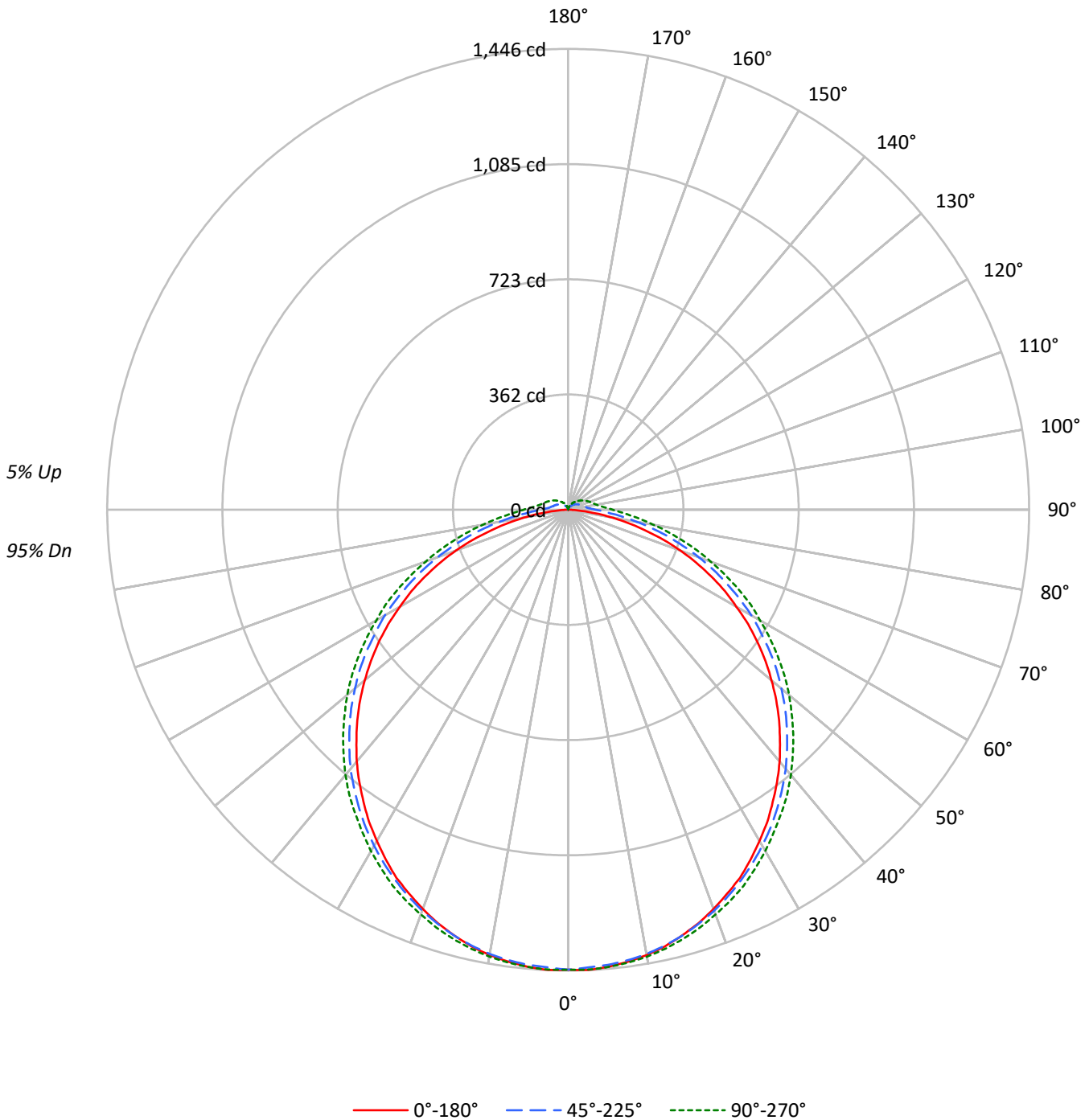
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4499.0 lumens
Efficiency: N/A
Efficacy: 140.6 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): 32
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	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°	5046	5046	5046
5°	5033	4954	4966
10°	4996	4872	4879
15°	4943	4779	4782
20°	4878	4679	4679
25°	4812	4570	4584
30°	4719	4458	4465
35°	4627	4340	4345
40°	4533	4217	4231
45°	4421	4072	4096
50°	4293	3919	3954
55°	4149	3748	3784
60°	3949	3556	3588
65°	3724	3294	3380
70°	3403	2998	3112
75°	2878	2637	2826
80°	2175	2187	2535
85°	1150	1789	2314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	3.0
10°-20°	391.4	8.7
20°-30°	592.6	13.2
30°-40°	715.6	15.9
40°-50°	747.5	16.6
50°-60°	686.6	15.3
60°-70°	540.2	12.0
70°-80°	336.4	7.5
80°-90°	147.0	3.3
90°-100°	66.2	1.5
100°-110°	47.0	1.0
110°-120°	35.2	0.8
120°-130°	25.1	0.6
130°-140°	16.3	0.4
140°-150°	9.2	0.2
150°-160°	4.3	0.1
160°-170°	1.3	0.0
170°-180°	0.2	0.0
0°-30°	1120.8	24.9
0°-40°	1836.3	40.8
0°-60°	3270.5	72.7
0°-90°	4294.2	95.4
90°-120°	148.4	3.3
90°-150°	199.1	4.4
90°-180°	205.0	4.6
0°-180°	4499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1443	1443	1443	1443	1443	
5°	1440	1440	1434	1439	1440	137
15°	1383	1384	1383	1392	1394	390
25°	1274	1277	1283	1296	1302	586
35°	1119	1129	1143	1159	1164	700
45°	935	949	970	988	998	721
55°	725	745	771	795	802	648
65°	494	516	550	577	588	489
75°	250	280	324	356	369	266
85°	44	82	135	179	193	55
90°	1	36	86	125	140	2
95°	0	24	62	94	107	0
105°	1	18	47	71	80	1
115°	1	15	37	57	64	1
125°	1	12	30	44	50	1
135°	1	9	22	34	37	0
145°	1	6	15	24	26	0
155°	1	4	9	14	16	0
165°	1	2	4	6	8	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1443.4	1443.4	1443.4	1443.4	1443.4
2.5°	1445.6	1444.5	1437.7	1443.9	1444.5
5°	1440.0	1440.0	1433.7	1439.4	1440.5
7.5°	1430.9	1431.5	1426.3	1433.2	1433.7
10°	1419.0	1419.0	1415.6	1422.4	1424.1
12.5°	1403.1	1403.7	1400.8	1408.8	1410.5
15°	1382.7	1384.4	1383.2	1392.3	1394.0
17.5°	1360.0	1362.3	1362.3	1372.5	1374.7
20°	1333.3	1336.7	1339.0	1350.4	1351.5
22.5°	1303.8	1308.4	1311.8	1324.8	1328.2
25°	1274.4	1277.2	1282.9	1296.5	1302.1
27.5°	1238.1	1243.7	1251.1	1265.8	1269.8
30°	1200.1	1208.0	1217.6	1233.5	1236.9
32.5°	1162.1	1169.4	1181.9	1197.2	1200.6
35°	1119.0	1128.6	1143.3	1159.2	1164.3
37.5°	1076.4	1087.8	1103.1	1119.5	1128.0
40°	1031.6	1043.0	1061.7	1077.6	1086.6
42.5°	983.4	997.0	1016.3	1035.6	1042.4
45°	935.2	949.4	969.8	988.5	998.2
47.5°	885.3	901.2	923.3	942.0	951.1
50°	832.6	851.3	872.8	894.9	904.6
52.5°	779.8	798.0	823.5	847.3	855.8
55°	725.4	745.2	770.7	794.6	802.5
57.5°	669.2	687.9	715.7	740.7	749.8
60°	609.7	633.5	664.7	687.9	695.3
62.5°	554.7	575.1	605.7	632.4	645.4
65°	494.5	516.1	549.6	577.3	588.1
67.5°	434.4	456.0	493.4	521.2	531.4
70°	374.9	395.9	436.1	464.5	475.8
72.5°	311.9	337.4	376.0	410.6	422.5
75°	249.5	280.2	324.4	356.2	369.2
77.5°	193.4	223.5	268.8	306.3	319.9
80°	136.1	168.4	217.8	255.8	272.2
82.5°	85.6	121.4	174.1	214.9	229.1
85°	43.7	81.7	135.0	178.6	192.8
87.5°	13.0	52.7	107.8	148.0	162.8
90°	0.6	35.7	85.6	124.8	139.5
92.5°	0.6	27.2	71.5	106.6	120.2
95°	0.0	23.8	62.4	94.1	107.2
97.5°	0.0	22.1	57.3	85.6	97.0
100°	0.0	20.4	53.3	80.0	90.2
102.5°	0.6	19.3	49.9	75.4	84.5
105°	0.6	18.1	47.1	70.9	80.0
107.5°	0.6	17.0	44.8	67.5	76.0
110°	0.6	16.4	42.5	63.5	72.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	15.3	39.7	60.1	68.1
115°	0.6	14.7	37.4	56.7	64.1
117.5°	0.6	14.2	35.7	53.3	60.7
120°	0.6	13.6	33.5	50.5	57.3
122.5°	0.6	12.5	31.8	47.1	53.3
125°	0.6	11.9	30.1	44.2	50.5
127.5°	0.6	11.3	27.8	41.4	47.1
130°	0.6	10.2	26.1	39.1	43.7
132.5°	0.6	9.6	24.4	36.3	40.8
135°	0.6	9.1	22.1	33.5	37.4
137.5°	0.6	7.9	20.4	31.2	34.6
140°	0.6	7.4	18.7	28.4	31.8
142.5°	0.6	6.8	16.4	26.1	28.9
145°	0.6	6.2	14.7	23.8	26.1
147.5°	0.6	5.7	13.0	21.6	23.8
150°	0.6	5.1	11.9	19.3	21.0
152.5°	0.6	4.5	10.2	16.4	18.7
155°	0.6	4.5	9.1	14.2	16.4
157.5°	1.1	4.0	7.9	11.9	14.2
160°	0.6	3.4	6.2	9.6	11.9
162.5°	1.1	2.8	5.7	7.9	10.2
165°	1.1	2.3	4.5	6.2	7.9
167.5°	1.1	1.7	3.4	4.5	6.2
170°	1.1	1.7	2.8	3.4	4.5
172.5°	1.1	1.1	1.7	2.3	2.8
175°	1.1	1.1	1.1	1.1	1.1
177.5°	1.1	1.1	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)