

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: P738735

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738735
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-5000K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

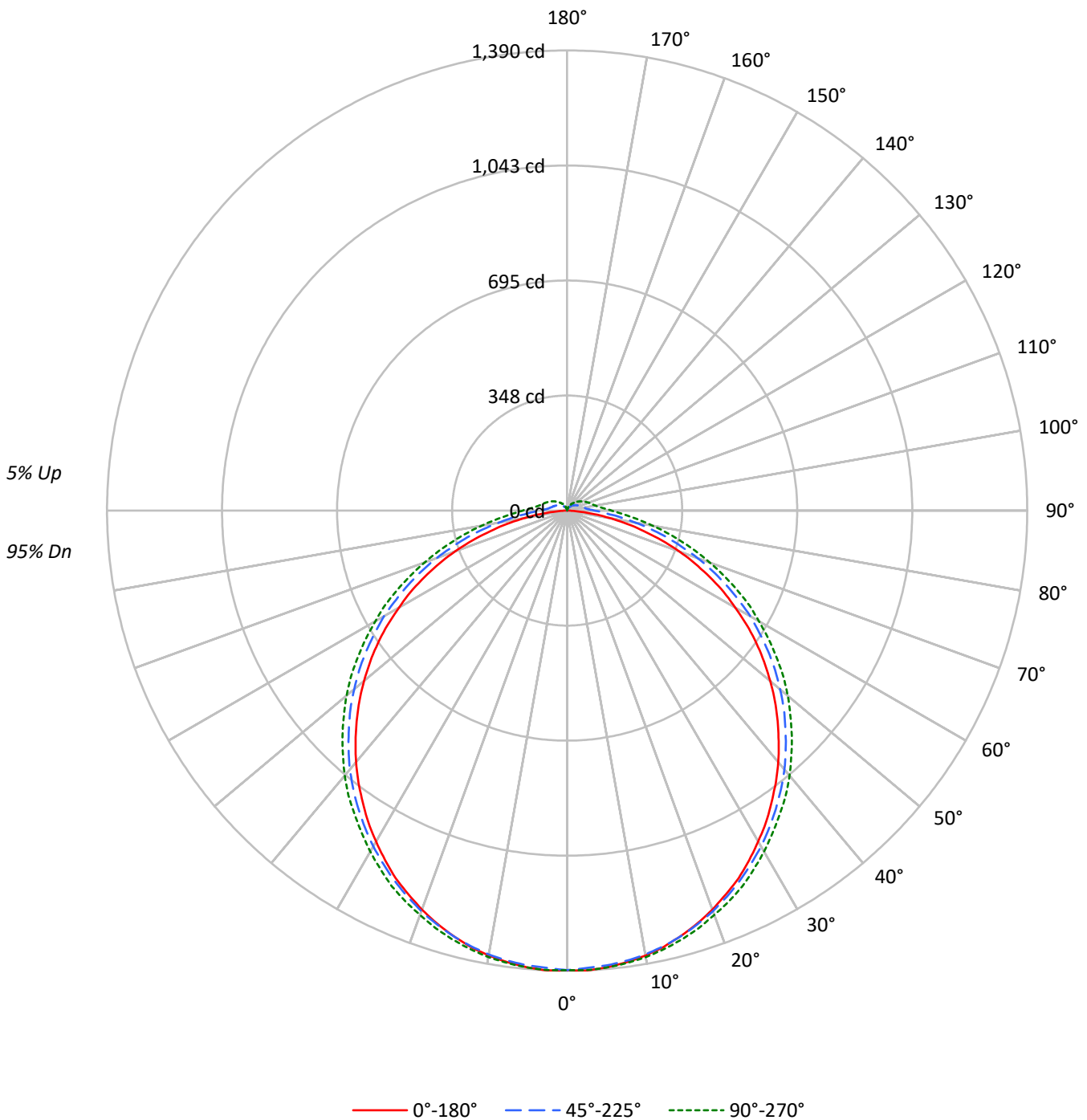
Lumens per Lamp: N/A
Luminaire Lumens: 4326.9 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

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

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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°	4853	4853	4853
5°	4840	4765	4776
10°	4805	4686	4692
15°	4754	4596	4599
20°	4692	4500	4500
25°	4628	4395	4409
30°	4539	4288	4294
35°	4450	4174	4179
40°	4360	4056	4070
45°	4252	3917	3939
50°	4129	3769	3803
55°	3990	3605	3639
60°	3798	3420	3451
65°	3582	3167	3250
70°	3272	2883	2993
75°	2768	2536	2718
80°	2092	2103	2438
85°	1105	1721	2227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	3.0
10°-20°	376.5	8.7
20°-30°	570.0	13.2
30°-40°	688.2	15.9
40°-50°	719.0	16.6
50°-60°	660.4	15.3
60°-70°	519.6	12.0
70°-80°	323.5	7.5
80°-90°	141.4	3.3
90°-100°	63.7	1.5
100°-110°	45.2	1.0
110°-120°	33.9	0.8
120°-130°	24.1	0.6
130°-140°	15.7	0.4
140°-150°	8.9	0.2
150°-160°	4.1	0.1
160°-170°	1.3	0.0
170°-180°	0.2	0.0
0°-30°	1077.9	24.9
0°-40°	1766.1	40.8
0°-60°	3145.5	72.7
0°-90°	4130.0	95.4
90°-120°	142.7	3.3
90°-150°	191.5	4.4
90°-180°	197.0	4.6
0°-180°	4326.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1388	1388	1388	1388	1388	
5°	1385	1385	1379	1384	1386	132
15°	1330	1332	1330	1339	1341	375
25°	1226	1228	1234	1247	1252	564
35°	1076	1086	1100	1115	1120	674
45°	900	913	933	951	960	694
55°	698	717	741	764	772	623
65°	476	496	528	555	566	470
75°	240	270	312	342	355	256
85°	42	78	130	172	186	53
90°	0	34	82	120	134	2
95°	0	23	60	90	103	0
105°	0	18	45	68	77	0
115°	0	14	36	54	62	0
125°	0	12	29	42	48	0
135°	0	9	21	32	36	0
145°	0	6	14	23	25	0
155°	0	4	9	14	16	0
165°	1	2	4	6	8	0
175°	1	1	1	1	1	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: 4AWWS-L3C3-NUV-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1388.2	1388.2	1388.2	1388.2	1388.2
2.5°	1390.4	1389.3	1382.7	1388.7	1389.3
5°	1384.9	1384.9	1378.9	1384.4	1385.5
7.5°	1376.2	1376.7	1371.8	1378.4	1378.9
10°	1364.7	1364.7	1361.5	1368.0	1369.6
12.5°	1349.5	1350.0	1347.3	1354.9	1356.5
15°	1329.8	1331.5	1330.4	1339.1	1340.7
17.5°	1308.0	1310.2	1310.2	1320.0	1322.2
20°	1282.4	1285.6	1287.8	1298.7	1299.8
22.5°	1254.0	1258.4	1261.6	1274.2	1277.5
25°	1225.6	1228.4	1233.8	1246.9	1252.4
27.5°	1190.7	1196.2	1203.3	1217.5	1221.3
30°	1154.2	1161.8	1171.1	1186.4	1189.6
32.5°	1117.6	1124.7	1136.7	1151.5	1154.7
35°	1076.2	1085.5	1099.6	1114.9	1119.8
37.5°	1035.3	1046.2	1060.9	1076.7	1084.9
40°	992.2	1003.1	1021.1	1036.4	1045.1
42.5°	945.8	958.9	977.5	996.0	1002.5
45°	899.5	913.1	932.7	950.7	960.0
47.5°	851.5	866.7	888.0	906.0	914.7
50°	800.7	818.7	839.5	860.7	870.0
52.5°	750.0	767.5	792.0	814.9	823.1
55°	697.6	716.7	741.3	764.2	771.8
57.5°	643.6	661.6	688.4	712.4	721.1
60°	586.4	609.3	639.3	661.6	668.7
62.5°	533.5	553.1	582.5	608.2	620.7
65°	475.6	496.4	528.5	555.3	565.6
67.5°	417.8	438.5	474.5	501.3	511.1
70°	360.5	380.7	419.5	446.7	457.6
72.5°	300.0	324.5	361.6	394.9	406.4
75°	240.0	269.5	312.0	342.5	355.1
77.5°	186.0	214.9	258.5	294.5	307.6
80°	130.9	162.0	209.5	246.0	261.8
82.5°	82.4	116.7	167.5	206.7	220.4
85°	42.0	78.5	129.8	171.8	185.5
87.5°	12.5	50.7	103.6	142.4	156.5
90°	0.5	34.4	82.4	120.0	134.2
92.5°	0.5	26.2	68.7	102.5	115.6
95°	0.0	22.9	60.0	90.5	103.1
97.5°	0.0	21.3	55.1	82.4	93.3
100°	0.0	19.6	51.3	76.9	86.7
102.5°	0.5	18.5	48.0	72.5	81.3
105°	0.5	17.5	45.3	68.2	76.9
107.5°	0.5	16.4	43.1	64.9	73.1
110°	0.5	15.8	40.9	61.1	69.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	14.7	38.2	57.8	65.5
115°	0.5	14.2	36.0	54.5	61.6
117.5°	0.5	13.6	34.4	51.3	58.4
120°	0.5	13.1	32.2	48.5	55.1
122.5°	0.5	12.0	30.5	45.3	51.3
125°	0.5	11.5	28.9	42.5	48.5
127.5°	0.5	10.9	26.7	39.8	45.3
130°	0.5	9.8	25.1	37.6	42.0
132.5°	0.5	9.3	23.5	34.9	39.3
135°	0.5	8.7	21.3	32.2	36.0
137.5°	0.5	7.6	19.6	30.0	33.3
140°	0.5	7.1	18.0	27.3	30.5
142.5°	0.5	6.5	15.8	25.1	27.8
145°	0.5	6.0	14.2	22.9	25.1
147.5°	0.5	5.5	12.5	20.7	22.9
150°	0.5	4.9	11.5	18.5	20.2
152.5°	0.5	4.4	9.8	15.8	18.0
155°	0.5	4.4	8.7	13.6	15.8
157.5°	1.1	3.8	7.6	11.5	13.6
160°	0.5	3.3	6.0	9.3	11.5
162.5°	1.1	2.7	5.5	7.6	9.8
165°	1.1	2.2	4.4	6.0	7.6
167.5°	1.1	1.6	3.3	4.4	6.0
170°	1.1	1.6	2.7	3.3	4.4
172.5°	1.1	1.1	1.6	2.2	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)