

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: P738724

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738724
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-MID
Description: 4foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

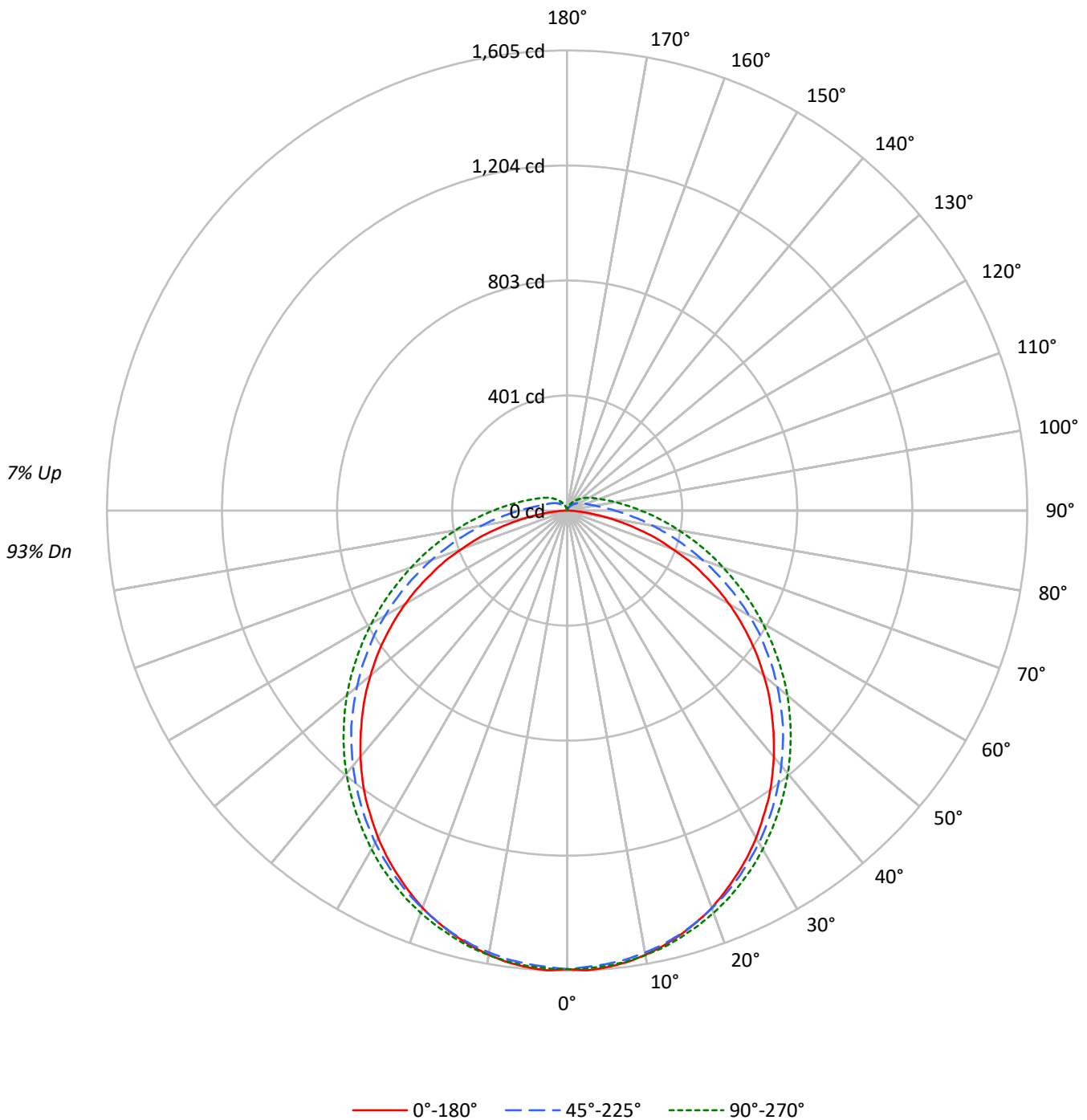
Lumens per Lamp: N/A
Luminaire Lumens: 5191.1 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 39
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: P738724

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

Luminous Intensity Polar Plot





TEST NUMBER: P738724

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	10089	10089	10089
5°	10093	9873	9868
10°	10022	9671	9641
15°	9911	9457	9398
20°	9784	9214	9152
25°	9606	8965	8898
30°	9424	8707	8634
35°	9226	8433	8361
40°	8987	8149	8090
45°	8729	7865	7803
50°	8459	7530	7511
55°	8158	7179	7177
60°	7793	6808	6848
65°	7299	6371	6523
70°	6612	5905	6211
75°	5767	5453	5971
80°	4340	5038	5781
85°	2452	4838	5814



TEST NUMBER: P738724

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	2.9
10°-20°	432.8	8.3
20°-30°	653.1	12.6
30°-40°	785.7	15.1
40°-50°	818.8	15.8
50°-60°	753.8	14.5
60°-70°	604.7	11.6
70°-80°	410.3	7.9
80°-90°	230.8	4.4
90°-100°	128.5	2.5
100°-110°	81.7	1.6
110°-120°	56.2	1.1
120°-130°	38.2	0.7
130°-140°	23.8	0.5
140°-150°	13.0	0.3
150°-160°	5.8	0.1
160°-170°	2.0	0.0
170°-180°	0.4	0.0
0°-30°	1237.3	23.8
0°-40°	2023.0	39.0
0°-60°	3595.6	69.3
0°-90°	4841.4	93.3
90°-120°	266.4	5.1
90°-150°	341.5	6.6
90°-180°	350.0	6.7
0°-180°	5191.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1600	1600	1600	1600	1600	
5°	1599	1596	1588	1596	1594	152
15°	1531	1532	1529	1540	1540	432
25°	1401	1407	1413	1430	1434	646
35°	1225	1236	1254	1279	1284	766
45°	1010	1034	1065	1093	1103	780
55°	776	804	846	884	896	694
65°	523	560	617	662	682	518
75°	265	317	397	460	484	280
85°	46	124	225	295	320	59
90°	2	72	166	233	257	3
95°	0	46	126	186	207	0
105°	0	30	81	124	141	1
115°	1	22	60	91	102	1
125°	1	17	45	68	77	1
135°	2	12	32	50	56	2
145°	2	9	20	33	38	2
155°	3	6	12	18	22	1
165°	4	5	7	8	11	1
175°	4	3	3	2	3	0
180°	3	3	3	3	3	



TEST NUMBER: P738724

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1599.6	1599.6	1599.6	1599.6	1599.6
2.5°	1605.2	1601.5	1592.7	1600.1	1598.2
5°	1598.7	1596.4	1587.6	1595.9	1594.1
7.5°	1589.4	1586.2	1578.8	1588.0	1586.2
10°	1573.7	1571.8	1565.3	1575.5	1574.6
12.5°	1554.2	1553.7	1549.5	1559.3	1559.7
15°	1531.0	1531.9	1528.7	1540.3	1539.8
17.5°	1504.6	1504.1	1504.1	1517.6	1518.0
20°	1474.9	1476.3	1476.3	1491.1	1493.0
22.5°	1438.7	1442.9	1446.6	1462.4	1466.1
25°	1401.2	1406.7	1412.8	1430.4	1434.1
27.5°	1361.8	1368.7	1376.1	1395.6	1401.2
30°	1318.2	1326.1	1338.6	1359.9	1364.1
32.5°	1270.9	1282.5	1296.8	1320.0	1324.7
35°	1225.4	1236.1	1254.2	1278.8	1284.3
37.5°	1174.4	1187.4	1208.8	1235.6	1241.7
40°	1121.1	1136.9	1161.9	1189.3	1197.6
42.5°	1066.4	1086.3	1113.2	1141.5	1151.3
45°	1010.3	1033.5	1064.6	1092.8	1103.0
47.5°	955.1	976.0	1010.8	1041.4	1053.0
50°	895.3	921.8	957.0	989.9	1003.4
52.5°	837.8	864.3	903.7	935.7	950.0
55°	776.2	804.0	846.2	884.2	895.8
57.5°	714.5	746.0	792.9	829.5	842.5
60°	652.4	683.0	733.5	772.0	788.2
62.5°	589.3	620.8	675.5	717.3	735.4
65°	523.0	559.6	616.7	662.1	681.6
67.5°	461.8	498.9	558.7	607.9	627.8
70°	390.4	434.4	502.6	556.9	578.2
72.5°	330.1	375.6	447.0	508.6	530.9
75°	265.2	316.7	396.9	460.4	483.6
77.5°	202.2	260.1	348.2	414.5	438.6
80°	141.4	209.6	301.8	370.9	394.6
82.5°	90.4	162.7	263.4	331.5	357.9
85°	46.4	124.3	225.3	294.9	319.9
87.5°	17.2	94.6	193.3	262.4	287.5
90°	1.9	71.9	166.5	232.8	256.9
92.5°	0.5	56.6	144.2	208.2	232.3
95°	0.5	46.4	125.7	186.4	207.3
97.5°	0.5	39.4	110.4	167.4	187.3
100°	0.5	35.2	98.3	150.2	169.7
102.5°	0.5	32.0	88.6	136.3	154.4
105°	0.5	29.7	80.7	123.8	141.4
107.5°	0.5	27.4	74.6	114.1	128.9
110°	0.5	25.5	69.5	104.8	118.7



TEST NUMBER: P738724

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	23.6	64.9	97.4	110.4
115°	0.9	22.3	60.3	90.9	102.5
117.5°	0.9	20.9	56.1	84.8	95.5
120°	0.9	19.5	52.4	78.8	89.5
122.5°	1.4	18.1	48.7	73.3	83.5
125°	1.4	16.7	45.0	68.2	77.4
127.5°	1.4	15.3	41.7	63.5	71.9
130°	1.9	14.4	38.5	58.4	66.3
132.5°	1.9	13.0	35.2	53.8	61.2
135°	1.9	12.1	31.5	49.6	56.1
137.5°	1.9	11.1	28.3	45.0	51.0
140°	2.3	10.2	25.0	40.8	46.4
142.5°	2.3	9.3	22.3	37.1	41.7
145°	2.3	8.8	19.9	33.4	37.6
147.5°	2.8	8.3	17.6	29.2	33.4
150°	2.8	7.4	15.3	25.5	29.2
152.5°	2.8	7.0	13.4	21.3	25.5
155°	3.2	6.5	11.6	18.1	22.3
157.5°	3.2	6.0	10.2	15.3	19.0
160°	3.2	5.6	9.3	12.5	16.2
162.5°	3.2	5.1	7.9	10.2	13.4
165°	3.7	4.6	7.0	8.3	11.1
167.5°	3.7	4.2	6.0	6.5	8.8
170°	3.7	4.2	4.6	5.1	7.0
172.5°	3.7	3.7	4.2	3.2	5.1
175°	3.7	3.2	3.2	2.3	3.2
177.5°	4.2	3.7	2.8	1.9	0.5
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)