

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: P738719

Luminaire Tested: **4AWS-L3C3-NUV-3500K-HI**

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738719
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-3500K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

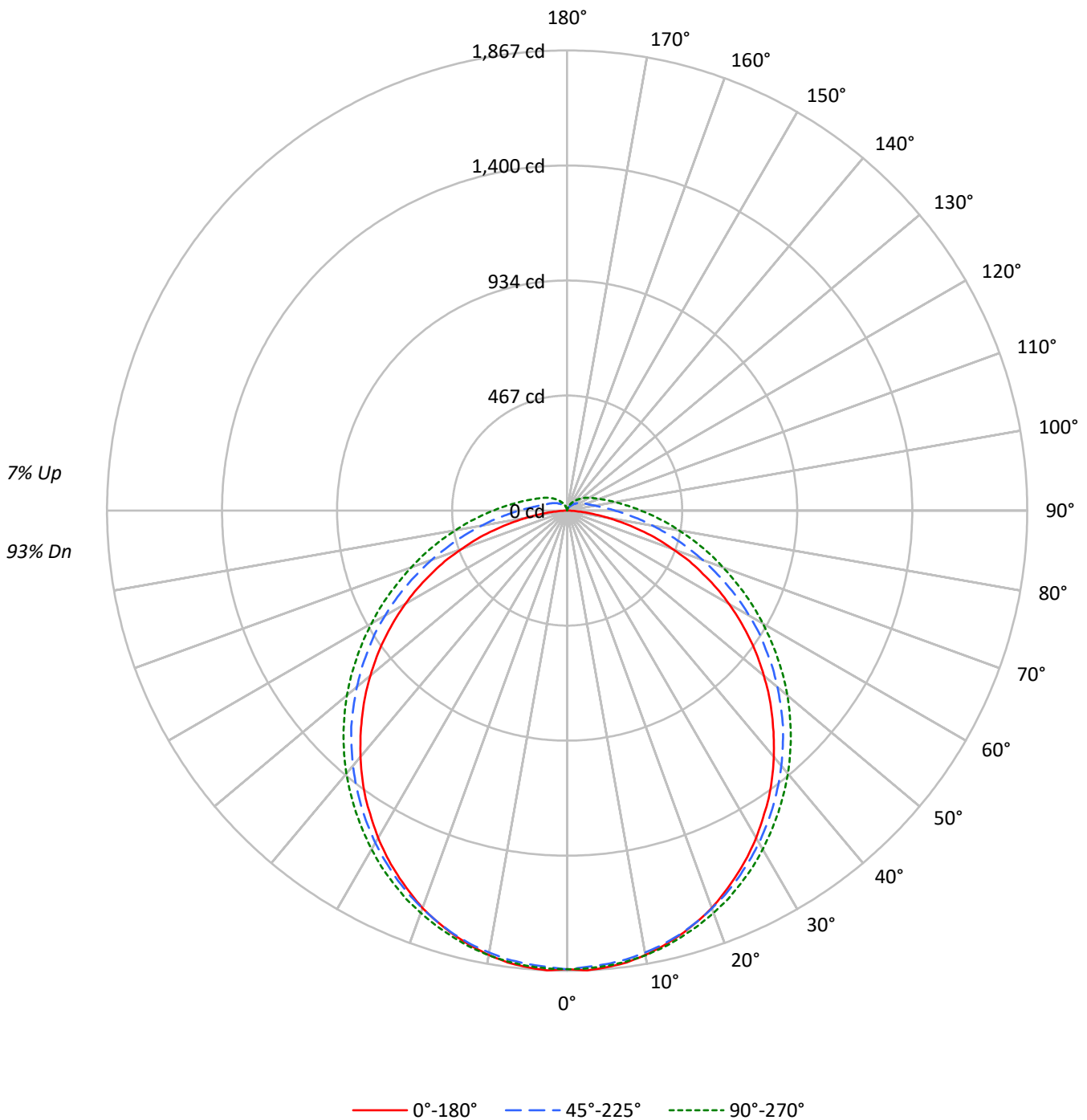
Lumens per Lamp: N/A
Luminaire Lumens: 6039.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
Input Voltage (V): NR
Input Current (A_{in}): 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: P738719

CATALOG NUMBER: 4AWS-L3C3-NUV-3500K-HI

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	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	65	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°	11737	11737	11737
5°	11742	11485	11479
10°	11658	11251	11216
15°	11530	11001	10933
20°	11382	10719	10647
25°	11176	10430	10352
30°	10964	10129	10044
35°	10734	9810	9727
40°	10455	9480	9412
45°	10156	9150	9078
50°	9841	8760	8737
55°	9491	8352	8349
60°	9065	7920	7967
65°	8491	7411	7588
70°	7692	6869	7225
75°	6708	6343	6947
80°	5049	5861	6724
85°	2848	5629	6765



TEST NUMBER: P738719

CATALOG NUMBER: 4AWS-L3C3-NUV-3500K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	2.9
10°-20°	503.5	8.3
20°-30°	759.7	12.6
30°-40°	914.1	15.1
40°-50°	952.6	15.8
50°-60°	876.9	14.5
60°-70°	703.5	11.6
70°-80°	477.3	7.9
80°-90°	268.5	4.4
90°-100°	149.5	2.5
100°-110°	95.1	1.6
110°-120°	65.4	1.1
120°-130°	44.4	0.7
130°-140°	27.7	0.5
140°-150°	15.1	0.3
150°-160°	6.8	0.1
160°-170°	2.3	0.0
170°-180°	0.4	0.0
0°-30°	1439.4	23.8
0°-40°	2353.5	39.0
0°-60°	4183.0	69.3
0°-90°	5632.3	93.3
90°-120°	309.9	5.1
90°-150°	397.2	6.6
90°-180°	407.0	6.7
0°-180°	6039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1861	1861	1861	1861	1861	
5°	1860	1857	1847	1857	1854	177
15°	1781	1782	1778	1792	1791	502
25°	1630	1636	1644	1664	1668	751
35°	1426	1438	1459	1488	1494	891
45°	1175	1202	1238	1271	1283	907
55°	903	935	984	1029	1042	807
65°	608	651	717	770	793	603
75°	308	368	462	536	563	326
85°	54	145	262	343	372	68
90°	2	84	194	271	299	3
95°	0	54	146	217	241	0
105°	0	34	94	144	164	1
115°	1	26	70	106	119	1
125°	2	19	52	79	90	1
135°	2	14	37	58	65	2
145°	3	10	23	39	44	2
155°	4	8	14	21	26	2
165°	4	5	8	10	13	1
175°	4	4	4	3	4	0
180°	3	3	3	3	3	



TEST NUMBER: P738719

CATALOG NUMBER: 4AWS-L3C3-NUV-3500K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1860.9	1860.9	1860.9	1860.9	1860.9
2.5°	1867.4	1863.1	1852.8	1861.5	1859.3
5°	1859.9	1857.2	1846.9	1856.6	1854.5
7.5°	1849.1	1845.3	1836.7	1847.4	1845.3
10°	1830.7	1828.6	1821.0	1832.9	1831.8
12.5°	1808.1	1807.5	1802.7	1814.0	1814.5
15°	1781.1	1782.2	1778.4	1791.9	1791.3
17.5°	1750.4	1749.8	1749.8	1765.5	1766.0
20°	1715.8	1717.5	1717.5	1734.7	1736.9
22.5°	1673.8	1678.6	1682.9	1701.3	1705.6
25°	1630.1	1636.5	1643.6	1664.1	1668.4
27.5°	1584.2	1592.3	1600.9	1623.6	1630.1
30°	1533.5	1542.7	1557.2	1582.1	1586.9
32.5°	1478.5	1492.0	1508.7	1535.7	1541.1
35°	1425.6	1438.0	1459.1	1487.7	1494.1
37.5°	1366.3	1381.4	1406.2	1437.5	1444.5
40°	1304.3	1322.6	1351.7	1383.6	1393.3
42.5°	1240.6	1263.8	1295.1	1328.0	1339.3
45°	1175.4	1202.3	1238.5	1271.4	1283.2
47.5°	1111.2	1135.4	1175.9	1211.5	1225.0
50°	1041.6	1072.3	1113.3	1151.6	1167.3
52.5°	974.7	1005.4	1051.3	1088.5	1105.2
55°	903.0	935.3	984.4	1028.6	1042.1
57.5°	831.2	867.9	922.4	965.0	980.1
60°	758.9	794.5	853.3	898.1	917.0
62.5°	685.6	722.3	785.9	834.5	855.5
65°	608.4	651.1	717.4	770.3	792.9
67.5°	537.2	580.4	650.0	707.2	730.3
70°	454.2	505.4	584.7	647.8	672.6
72.5°	384.1	436.9	520.0	591.7	617.6
75°	308.5	368.4	461.7	535.6	562.6
77.5°	235.2	302.6	405.1	482.2	510.3
80°	164.5	243.8	351.1	431.5	459.0
82.5°	105.2	189.3	306.4	385.7	416.4
85°	53.9	144.6	262.1	343.1	372.2
87.5°	20.0	110.0	224.9	305.3	334.4
90°	2.2	83.6	193.6	270.8	298.8
92.5°	0.5	65.8	167.8	242.2	270.2
95°	0.5	53.9	146.2	216.8	241.1
97.5°	0.5	45.8	128.4	194.7	217.9
100°	0.5	41.0	114.4	174.8	197.4
102.5°	0.5	37.2	103.0	158.6	179.6
105°	0.5	34.5	93.9	144.0	164.5
107.5°	0.5	31.8	86.8	132.7	150.0
110°	0.5	29.7	80.9	121.9	138.1



TEST NUMBER: P738719

CATALOG NUMBER: 4AWS-L3C3-NUV-3500K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	27.5	75.5	113.3	128.4
115°	1.1	25.9	70.1	105.7	119.2
117.5°	1.1	24.3	65.3	98.7	111.1
120°	1.1	22.7	61.0	91.7	104.1
122.5°	1.6	21.0	56.6	85.2	97.1
125°	1.6	19.4	52.3	79.3	90.1
127.5°	1.6	17.8	48.5	73.9	83.6
130°	2.2	16.7	44.8	68.0	77.1
132.5°	2.2	15.1	41.0	62.6	71.2
135°	2.2	14.0	36.7	57.7	65.3
137.5°	2.2	12.9	32.9	52.3	59.3
140°	2.7	11.9	29.1	47.5	53.9
142.5°	2.7	10.8	25.9	43.2	48.5
145°	2.7	10.2	23.2	38.8	43.7
147.5°	3.2	9.7	20.5	34.0	38.8
150°	3.2	8.6	17.8	29.7	34.0
152.5°	3.2	8.1	15.6	24.8	29.7
155°	3.8	7.6	13.5	21.0	25.9
157.5°	3.8	7.0	11.9	17.8	22.1
160°	3.8	6.5	10.8	14.6	18.9
162.5°	3.8	5.9	9.2	11.9	15.6
165°	4.3	5.4	8.1	9.7	12.9
167.5°	4.3	4.9	7.0	7.6	10.2
170°	4.3	4.9	5.4	5.9	8.1
172.5°	4.3	4.3	4.9	3.8	5.9
175°	4.3	3.8	3.8	2.7	3.8
177.5°	4.9	4.3	3.2	2.2	0.5
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)