

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: P709718

Luminaire Tested: **4AWS-L3C3-HO-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C3-HO-UNV-4000K-LOW
Description: 4foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

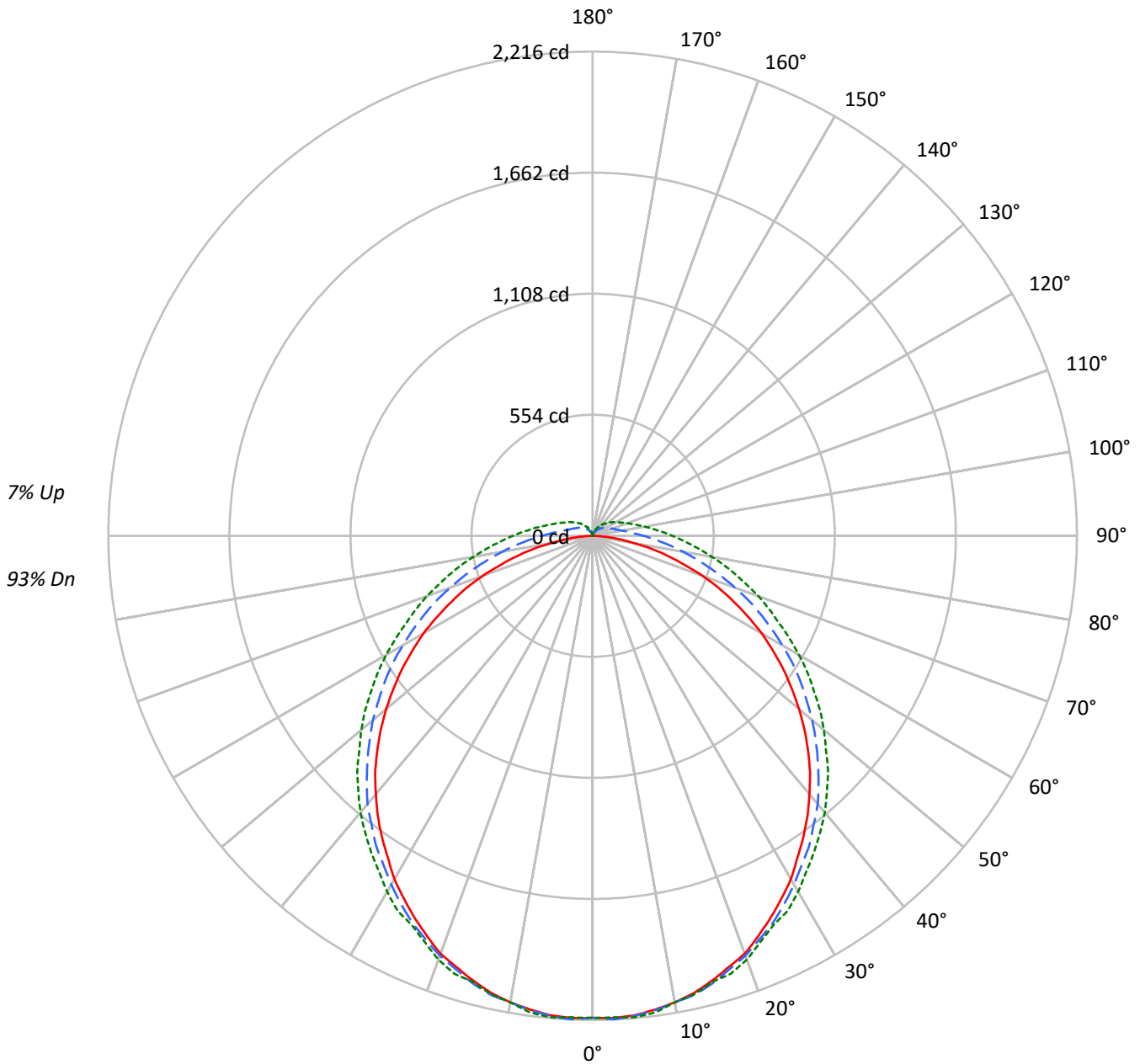
Lumens per Lamp: N/A
Luminaire Lumens: 7146.0 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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	81	82	80	78	75																			
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	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	43	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	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13915	13915	13915
5°	13909	13719	13695
10°	13808	13397	13276
15°	13648	13120	12905
20°	13503	12763	12652
25°	13219	12395	12178
30°	12971	11986	11904
35°	12660	11624	11503
40°	12364	11239	11167
45°	12044	10765	10778
50°	11647	10321	10339
55°	11196	9842	9901
60°	10685	9300	9475
65°	9926	8751	8984
70°	9047	8132	8658
75°	7767	7512	8313
80°	5917	7018	8102
85°	3508	6720	8157



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	2.9
10°-20°	597.2	8.4
20°-30°	898.6	12.6
30°-40°	1079.1	15.1
40°-50°	1123.7	15.7
50°-60°	1032.5	14.4
60°-70°	829.2	11.6
70°-80°	565.4	7.9
80°-90°	321.3	4.5
90°-100°	180.0	2.5
100°-110°	113.9	1.6
110°-120°	77.7	1.1
120°-130°	53.4	0.7
130°-140°	34.0	0.5
140°-150°	18.9	0.3
150°-160°	8.6	0.1
160°-170°	2.7	0.0
170°-180°	0.4	0.0
0°-30°	1705.2	23.9
0°-40°	2784.3	39.0
0°-60°	4940.6	69.1
0°-90°	6656.5	93.1
90°-120°	371.6	5.2
90°-150°	477.8	6.7
90°-180°	490.0	6.9
0°-180°	7146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2206	2206	2206	2206	2206	
5°	2203	2206	2206	2209	2212	209
15°	2108	2105	2121	2127	2114	595
25°	1928	1928	1953	1972	1963	889
35°	1682	1691	1729	1754	1767	1052
45°	1394	1410	1457	1501	1524	1075
55°	1065	1097	1160	1214	1236	951
65°	711	765	847	910	939	705
75°	357	433	547	638	673	378
85°	66	171	313	414	449	82
90°	3	101	231	326	364	4
95°	0	63	174	262	294	0
105°	0	41	111	174	199	0
115°	0	32	82	126	142	0
125°	3	22	63	95	108	2
135°	3	19	47	70	79	2
145°	3	13	32	47	51	2
155°	3	10	19	28	32	1
165°	3	6	10	13	16	1
175°	3	3	3	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2206.2	2206.2	2206.2	2206.2	2206.2
2.5°	2209.4	2206.2	2215.7	2212.5	2206.2
5°	2203.0	2206.2	2206.2	2209.4	2212.5
7.5°	2187.2	2180.9	2190.4	2199.9	2199.9
10°	2168.3	2161.9	2168.3	2174.6	2168.3
12.5°	2143.0	2130.3	2152.5	2152.5	2149.3
15°	2108.2	2105.1	2120.9	2127.2	2114.5
17.5°	2070.3	2079.8	2079.8	2092.4	2101.9
20°	2035.5	2029.2	2045.0	2054.5	2064.0
22.5°	1981.8	1978.6	1997.6	2013.4	2010.2
25°	1928.1	1928.1	1953.3	1972.3	1962.8
27.5°	1871.2	1871.2	1899.6	1918.6	1934.4
30°	1814.3	1820.6	1842.7	1868.0	1880.6
32.5°	1744.7	1760.5	1782.7	1817.4	1820.6
35°	1681.5	1691.0	1728.9	1754.2	1766.9
37.5°	1615.1	1618.3	1662.5	1697.3	1710.0
40°	1542.4	1548.8	1602.5	1634.1	1653.1
42.5°	1472.9	1479.2	1529.8	1570.9	1586.7
45°	1393.9	1409.7	1457.1	1501.4	1523.5
47.5°	1314.9	1337.0	1384.4	1435.0	1447.6
50°	1232.7	1254.8	1311.7	1352.8	1381.2
52.5°	1147.3	1175.8	1232.7	1286.4	1311.7
55°	1065.2	1096.8	1160.0	1213.7	1235.8
57.5°	976.7	1014.6	1084.1	1141.0	1166.3
60°	894.5	926.1	1002.0	1062.0	1090.5
62.5°	799.7	840.8	922.9	989.3	1014.6
65°	711.2	764.9	847.1	910.3	938.7
67.5°	625.8	679.6	771.2	837.6	872.4
70°	534.2	594.2	692.2	768.1	806.0
72.5°	439.3	508.9	619.5	704.8	736.5
75°	357.2	433.0	546.8	638.5	673.2
77.5°	275.0	354.0	480.4	575.3	613.2
80°	192.8	281.3	420.4	518.4	553.1
82.5°	126.4	224.4	363.5	461.5	499.4
85°	66.4	170.7	312.9	414.1	448.8
87.5°	22.1	129.6	268.7	369.8	404.6
90°	3.2	101.1	230.7	325.6	363.5
92.5°	0.0	79.0	199.1	293.9	328.7
95°	0.0	63.2	173.8	262.3	293.9
97.5°	0.0	53.7	154.9	233.9	268.7
100°	0.0	47.4	135.9	211.8	240.2
102.5°	0.0	44.3	123.3	189.6	218.1
105°	0.0	41.1	110.6	173.8	199.1



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CATALOG NUMBER: 4AWS-L3C3-HO-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.6	88.5	135.9	154.9
115°	0.0	31.6	82.2	126.4	142.2
117.5°	0.0	28.4	79.0	116.9	132.8
120°	0.0	25.3	72.7	110.6	126.4
122.5°	0.0	25.3	66.4	104.3	116.9
125°	3.2	22.1	63.2	94.8	107.5
127.5°	3.2	22.1	60.1	88.5	101.1
130°	3.2	19.0	53.7	82.2	91.7
132.5°	3.2	19.0	50.6	75.9	85.3
135°	3.2	19.0	47.4	69.5	79.0
137.5°	3.2	15.8	41.1	63.2	72.7
140°	3.2	15.8	37.9	56.9	66.4
142.5°	3.2	15.8	34.8	50.6	60.1
145°	3.2	12.6	31.6	47.4	50.6
147.5°	3.2	12.6	28.4	41.1	47.4
150°	3.2	9.5	25.3	34.8	41.1
152.5°	3.2	9.5	22.1	31.6	34.8
155°	3.2	9.5	19.0	28.4	31.6
157.5°	3.2	9.5	15.8	25.3	25.3
160°	3.2	6.3	12.6	19.0	22.1
162.5°	3.2	6.3	12.6	15.8	19.0
165°	3.2	6.3	9.5	12.6	15.8
167.5°	3.2	3.2	6.3	9.5	12.6
170°	3.2	3.2	6.3	6.3	9.5
172.5°	3.2	3.2	3.2	3.2	6.3
175°	3.2	3.2	3.2	3.2	3.2
177.5°	3.2	3.2	3.2	0.0	0.0
180°	3.2	3.2	3.2	3.2	3.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	0.0	37.9	104.3	158.0	183.3
110°	0.0	34.8	94.8	145.4	167.5



(END OF REPORT)