

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: P738725

Luminaire Tested: **4AWS-L3C3-NUV-5000K-HI**

Issue Date: 2/13/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738725  
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-5000K-HI  
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,  
5000K, 80CRI

Light Source: -  
Ballast/Driver: -

**Summary**

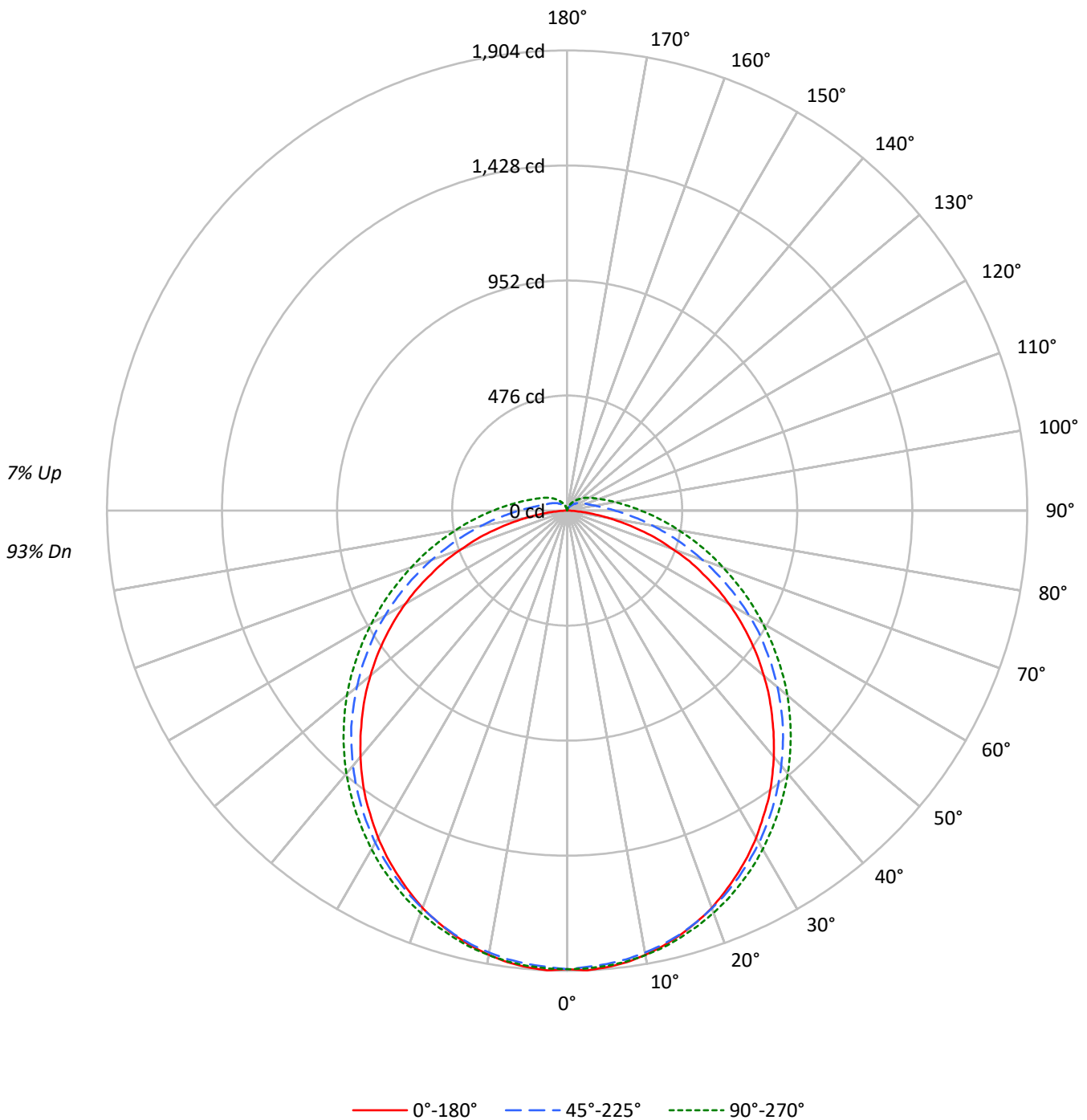
Lumens per Lamp: N/A  
Luminaire Lumens: 6158.1 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 51  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	11969	11969	11969
5°	11973	11711	11705
10°	11888	11473	11437
15°	11757	11218	11148
20°	11607	10930	10857
25°	11396	10635	10555
30°	11180	10328	10243
35°	10945	10003	9919
40°	10661	9667	9597
45°	10355	9330	9257
50°	10035	8933	8910
55°	9677	8516	8514
60°	9244	8076	8124
65°	8658	7557	7738
70°	7843	7005	7368
75°	6841	6468	7084
80°	5150	5978	6857
85°	2906	5740	6897



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.7	2.9
10°-20°	513.4	8.3
20°-30°	774.7	12.6
30°-40°	932.1	15.1
40°-50°	971.4	15.8
50°-60°	894.2	14.5
60°-70°	717.3	11.6
70°-80°	486.7	7.9
80°-90°	273.8	4.4
90°-100°	152.5	2.5
100°-110°	97.0	1.6
110°-120°	66.7	1.1
120°-130°	45.4	0.7
130°-140°	28.3	0.5
140°-150°	15.4	0.3
150°-160°	6.9	0.1
160°-170°	2.4	0.0
170°-180°	0.4	0.0
0°-30°	1467.7	23.8
0°-40°	2399.8	39.0
0°-60°	4265.4	69.3
0°-90°	5743.3	93.3
90°-120°	316.1	5.1
90°-150°	405.1	6.6
90°-180°	415.0	6.7
0°-180°	6158.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1898	1898	1898	1898	1898	
5°	1896	1894	1883	1893	1891	180
15°	1816	1817	1813	1827	1827	512
25°	1662	1669	1676	1697	1701	766
35°	1454	1466	1488	1517	1524	908
45°	1198	1226	1263	1296	1308	925
55°	921	954	1004	1049	1063	823
65°	620	664	732	785	808	615
75°	315	376	471	546	574	332
85°	55	147	267	350	380	70
90°	2	85	198	276	305	3
95°	1	55	149	221	246	0
105°	1	35	96	147	168	1
115°	1	26	72	108	122	1
125°	2	20	53	81	92	2
135°	2	14	37	59	67	2
145°	3	10	24	40	45	2
155°	4	8	14	22	26	2
165°	4	6	8	10	13	1
175°	4	4	4	3	4	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1897.6	1897.6	1897.6	1897.6	1897.6
2.5°	1904.2	1899.8	1889.4	1898.2	1896.0
5°	1896.5	1893.8	1883.3	1893.2	1891.0
7.5°	1885.5	1881.7	1872.8	1883.9	1881.7
10°	1866.8	1864.6	1856.9	1869.0	1867.9
12.5°	1843.7	1843.1	1838.2	1849.7	1850.3
15°	1816.2	1817.3	1813.4	1827.2	1826.6
17.5°	1784.8	1784.3	1784.3	1800.2	1800.8
20°	1749.6	1751.3	1751.3	1768.9	1771.1
22.5°	1706.7	1711.7	1716.1	1734.8	1739.2
25°	1662.2	1668.8	1675.9	1696.8	1701.2
27.5°	1615.4	1623.7	1632.5	1655.6	1662.2
30°	1563.7	1573.1	1587.9	1613.2	1618.2
32.5°	1507.6	1521.4	1538.4	1565.9	1571.4
35°	1453.7	1466.4	1487.8	1517.0	1523.6
37.5°	1393.2	1408.6	1433.9	1465.8	1473.0
40°	1330.0	1348.7	1378.4	1410.8	1420.7
42.5°	1265.1	1288.7	1320.6	1354.2	1365.7
45°	1198.5	1226.0	1262.9	1296.4	1308.5
47.5°	1133.1	1157.8	1199.1	1235.4	1249.1
50°	1062.1	1093.5	1135.3	1174.3	1190.3
52.5°	993.9	1025.3	1072.0	1110.0	1127.0
55°	920.7	953.8	1003.8	1048.9	1062.7
57.5°	847.6	885.0	940.6	984.0	999.4
60°	773.9	810.2	870.1	915.8	935.0
62.5°	699.1	736.5	801.4	850.9	872.3
65°	620.4	663.9	731.5	785.4	808.5
67.5°	547.8	591.8	662.8	721.1	744.7
70°	463.1	515.4	596.2	660.6	685.9
72.5°	391.6	445.5	530.2	603.4	629.8
75°	314.6	375.7	470.8	546.2	573.7
77.5°	239.8	308.6	413.1	491.7	520.3
80°	167.8	248.6	358.1	440.0	468.1
82.5°	107.3	193.1	312.4	393.3	424.6
85°	55.0	147.4	267.3	349.8	379.5
87.5°	20.4	112.2	229.4	311.3	341.0
90°	2.2	85.3	197.5	276.1	304.7
92.5°	0.6	67.1	171.1	247.0	275.6
95°	0.6	55.0	149.1	221.1	245.9
97.5°	0.6	46.8	130.9	198.6	222.2
100°	0.6	41.8	116.6	178.2	201.3
102.5°	0.6	38.0	105.1	161.7	183.2
105°	0.6	35.2	95.7	146.9	167.8
107.5°	0.6	32.5	88.6	135.3	152.9
110°	0.6	30.3	82.5	124.3	140.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	28.1	77.0	115.5	130.9
115°	1.1	26.4	71.5	107.8	121.6
117.5°	1.1	24.8	66.6	100.7	113.3
120°	1.1	23.1	62.2	93.5	106.2
122.5°	1.7	21.5	57.8	86.9	99.0
125°	1.7	19.8	53.4	80.9	91.9
127.5°	1.7	18.2	49.5	75.4	85.3
130°	2.2	17.1	45.7	69.3	78.7
132.5°	2.2	15.4	41.8	63.8	72.6
135°	2.2	14.3	37.4	58.9	66.6
137.5°	2.2	13.2	33.6	53.4	60.5
140°	2.8	12.1	29.7	48.4	55.0
142.5°	2.8	11.0	26.4	44.0	49.5
145°	2.8	10.5	23.7	39.6	44.6
147.5°	3.3	9.9	20.9	34.7	39.6
150°	3.3	8.8	18.2	30.3	34.7
152.5°	3.3	8.3	16.0	25.3	30.3
155°	3.9	7.7	13.8	21.5	26.4
157.5°	3.9	7.2	12.1	18.2	22.6
160°	3.9	6.6	11.0	14.9	19.3
162.5°	3.9	6.1	9.4	12.1	16.0
165°	4.4	5.5	8.3	9.9	13.2
167.5°	4.4	5.0	7.2	7.7	10.5
170°	4.4	5.0	5.5	6.1	8.3
172.5°	4.4	4.4	5.0	3.9	6.1
175°	4.4	3.9	3.9	2.8	3.9
177.5°	5.0	4.4	3.3	2.2	0.6
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)