

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: P738722

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738722
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-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

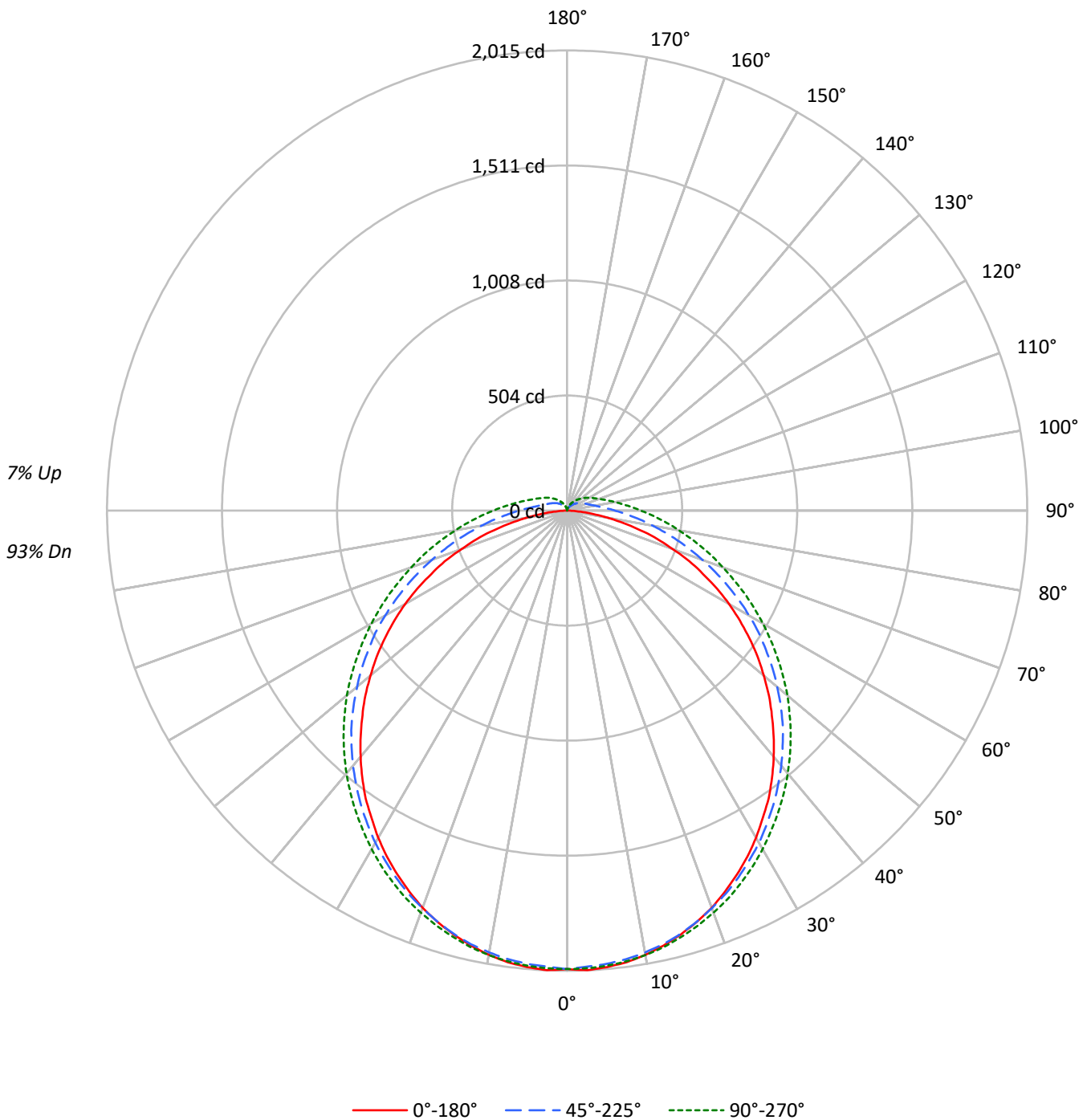
Lumens per Lamp: N/A
Luminaire Lumens: 6515.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 48
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				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°	12662	12662	12662
5°	12667	12390	12384
10°	12577	12138	12100
15°	12439	11869	11794
20°	12280	11563	11486
25°	12057	11252	11167
30°	11828	10927	10836
35°	11580	10584	10494
40°	11279	10228	10153
45°	10956	9871	9794
50°	10617	9450	9426
55°	10239	9010	9007
60°	9781	8544	8596
65°	9161	7995	8186
70°	8299	7411	7794
75°	7239	6843	7494
80°	5448	6323	7254
85°	3075	6073	7297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	2.9
10°-20°	543.1	8.3
20°-30°	819.6	12.6
30°-40°	986.1	15.1
40°-50°	1027.7	15.8
50°-60°	946.1	14.5
60°-70°	758.9	11.6
70°-80°	514.9	7.9
80°-90°	289.7	4.4
90°-100°	161.3	2.5
100°-110°	102.6	1.6
110°-120°	70.5	1.1
120°-130°	47.9	0.7
130°-140°	29.9	0.5
140°-150°	16.3	0.3
150°-160°	7.3	0.1
160°-170°	2.5	0.0
170°-180°	0.4	0.0
0°-30°	1552.8	23.8
0°-40°	2539.0	39.0
0°-60°	4512.7	69.3
0°-90°	6076.2	93.3
90°-120°	334.4	5.1
90°-150°	428.5	6.6
90°-180°	439.0	6.7
0°-180°	6515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2008	2008	2008	2008	2008	
5°	2006	2004	1992	2003	2001	191
15°	1922	1923	1919	1933	1932	542
25°	1759	1766	1773	1795	1800	810
35°	1538	1551	1574	1605	1612	961
45°	1268	1297	1336	1372	1384	979
55°	974	1009	1062	1110	1124	871
65°	656	702	774	831	855	651
75°	333	397	498	578	607	352
85°	58	156	283	370	402	74
90°	2	90	209	292	322	4
95°	1	58	158	234	260	0
105°	1	37	101	155	178	1
115°	1	28	76	114	129	1
125°	2	21	56	86	97	2
135°	2	15	40	62	70	2
145°	3	11	25	42	47	2
155°	4	8	14	23	28	2
165°	5	6	9	10	14	1
175°	5	4	4	3	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2007.6	2007.6	2007.6	2007.6	2007.6
2.5°	2014.6	2009.9	1998.9	2008.2	2005.9
5°	2006.4	2003.5	1992.5	2003.0	2000.6
7.5°	1994.8	1990.7	1981.4	1993.1	1990.7
10°	1975.0	1972.7	1964.5	1977.4	1976.2
12.5°	1950.6	1950.0	1944.8	1957.0	1957.6
15°	1921.5	1922.7	1918.6	1933.1	1932.5
17.5°	1888.3	1887.7	1887.7	1904.6	1905.2
20°	1851.1	1852.8	1852.8	1871.4	1873.8
22.5°	1805.7	1810.9	1815.6	1835.4	1840.0
25°	1758.6	1765.5	1773.1	1795.2	1799.9
27.5°	1709.1	1717.8	1727.1	1751.6	1758.6
30°	1654.4	1664.3	1680.0	1706.8	1712.0
32.5°	1595.0	1609.6	1627.6	1656.7	1662.5
35°	1538.0	1551.4	1574.1	1604.9	1611.9
37.5°	1474.0	1490.3	1517.1	1550.8	1558.4
40°	1407.1	1426.9	1458.3	1492.6	1503.1
42.5°	1338.4	1363.4	1397.2	1432.7	1444.9
45°	1268.0	1297.1	1336.1	1371.6	1384.4
47.5°	1198.7	1224.9	1268.6	1307.0	1321.5
50°	1123.7	1156.8	1201.1	1242.4	1259.3
52.5°	1051.5	1084.7	1134.2	1174.3	1192.3
55°	974.1	1009.0	1062.0	1109.7	1124.3
57.5°	896.7	936.3	995.1	1041.0	1057.3
60°	818.8	857.2	920.6	968.9	989.3
62.5°	739.6	779.2	847.9	900.2	922.9
65°	656.4	702.4	773.9	831.0	855.4
67.5°	579.6	626.1	701.2	762.9	787.9
70°	490.0	545.3	630.8	698.9	725.6
72.5°	414.3	471.4	561.0	638.4	666.3
75°	332.9	397.4	498.1	577.8	606.9
77.5°	253.7	326.5	437.0	520.2	550.5
80°	177.5	263.0	378.8	465.5	495.2
82.5°	113.5	204.3	330.5	416.1	449.2
85°	58.2	156.0	282.8	370.1	401.5
87.5°	21.5	118.7	242.7	329.4	360.8
90°	2.3	90.2	208.9	292.1	322.4
92.5°	0.6	71.0	181.0	261.3	291.5
95°	0.6	58.2	157.7	233.9	260.1
97.5°	0.6	49.5	138.5	210.1	235.1
100°	0.6	44.2	123.4	188.5	213.0
102.5°	0.6	40.2	111.1	171.1	193.8
105°	0.6	37.2	101.3	155.4	177.5
107.5°	0.6	34.3	93.7	143.2	161.8
110°	0.6	32.0	87.3	131.5	149.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	29.7	81.5	122.2	138.5
115°	1.2	27.9	75.6	114.1	128.6
117.5°	1.2	26.2	70.4	106.5	119.9
120°	1.2	24.4	65.8	98.9	112.3
122.5°	1.7	22.7	61.1	91.9	104.7
125°	1.7	20.9	56.4	85.5	97.2
127.5°	1.7	19.2	52.4	79.7	90.2
130°	2.3	18.0	48.3	73.3	83.2
132.5°	2.3	16.3	44.2	67.5	76.8
135°	2.3	15.1	39.6	62.3	70.4
137.5°	2.3	14.0	35.5	56.4	64.0
140°	2.9	12.8	31.4	51.2	58.2
142.5°	2.9	11.6	27.9	46.6	52.4
145°	2.9	11.1	25.0	41.9	47.1
147.5°	3.5	10.5	22.1	36.7	41.9
150°	3.5	9.3	19.2	32.0	36.7
152.5°	3.5	8.7	16.9	26.8	32.0
155°	4.1	8.1	14.5	22.7	27.9
157.5°	4.1	7.6	12.8	19.2	23.9
160°	4.1	7.0	11.6	15.7	20.4
162.5°	4.1	6.4	9.9	12.8	16.9
165°	4.7	5.8	8.7	10.5	14.0
167.5°	4.7	5.2	7.6	8.1	11.1
170°	4.7	5.2	5.8	6.4	8.7
172.5°	4.7	4.7	5.2	4.1	6.4
175°	4.7	4.1	4.1	2.9	4.1
177.5°	5.2	4.7	3.5	2.3	0.6
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)