

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: P738734

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

Issue Date: 2/13/2024



Test Information

Test Method: LM-79-08
Report Number: P738734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWWS-L3C3-NUV-5000K-HI
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting, 5000K, 80CRI

Light Source: -
Ballast/Driver: -

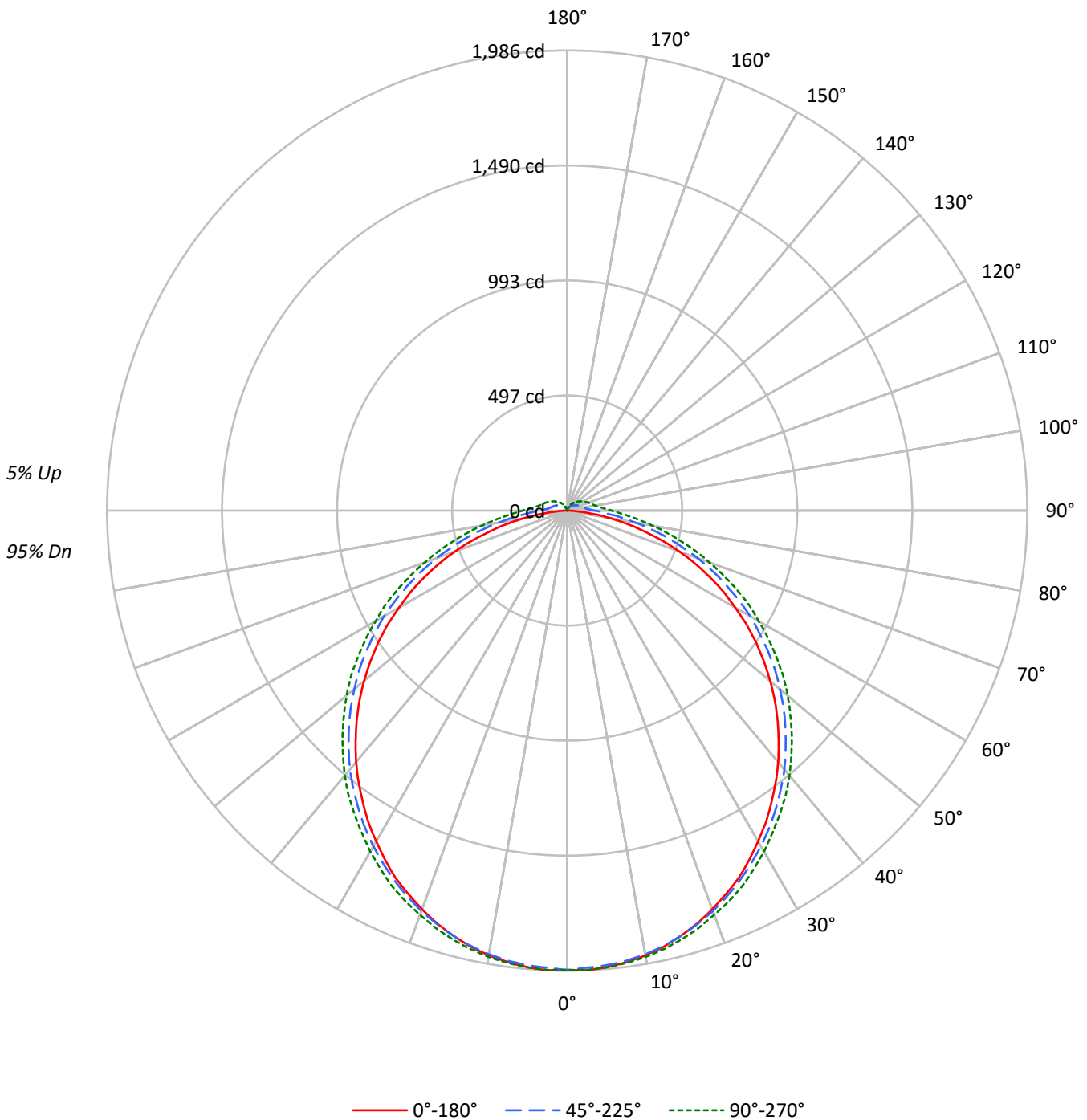
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6180.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 50
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

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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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	107	102	97	93	104	99	95	91	94	91	88	89	87	84	85	83	81	78
2	97	88	81	75	94	86	80	74	82	76	72	78	73	69	74	70	67	65
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	61	57	54
4	81	68	59	53	78	67	58	52	64	56	51	61	55	50	58	53	48	46
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	37	47	41	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31
8	59	45	37	31	57	44	36	31	43	35	30	41	34	30	40	34	29	27
9	55	41	33	28	53	41	33	27	39	32	27	38	31	27	36	31	26	24
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6931	6931	6931
5°	6913	6805	6821
10°	6863	6693	6702
15°	6790	6564	6569
20°	6701	6427	6427
25°	6610	6278	6297
30°	6482	6124	6133
35°	6355	5962	5969
40°	6227	5793	5812
45°	6072	5594	5626
50°	5897	5383	5432
55°	5699	5149	5197
60°	5425	4884	4929
65°	5116	4524	4643
70°	4674	4118	4275
75°	3954	3622	3882
80°	2988	3004	3482
85°	1579	2458	3180



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	3.0
10°-20°	537.7	8.7
20°-30°	814.1	13.2
30°-40°	982.9	15.9
40°-50°	1026.9	16.6
50°-60°	943.2	15.3
60°-70°	742.1	12.0
70°-80°	462.1	7.5
80°-90°	202.0	3.3
90°-100°	91.0	1.5
100°-110°	64.5	1.0
110°-120°	48.4	0.8
120°-130°	34.5	0.6
130°-140°	22.4	0.4
140°-150°	12.7	0.2
150°-160°	5.9	0.1
160°-170°	1.8	0.0
170°-180°	0.2	0.0
0°-30°	1539.5	24.9
0°-40°	2522.5	40.8
0°-60°	4492.5	72.7
0°-90°	5898.6	95.4
90°-120°	203.9	3.3
90°-150°	273.5	4.4
90°-180°	281.0	4.5
0°-180°	6180.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1983	1983	1983	1983	1983	
5°	1978	1978	1969	1977	1979	188
15°	1899	1902	1900	1912	1915	536
25°	1750	1754	1762	1781	1789	805
35°	1537	1550	1570	1592	1599	962
45°	1285	1304	1332	1358	1371	991
55°	996	1024	1059	1091	1102	889
65°	679	709	755	793	808	671
75°	343	385	446	489	507	366
85°	60	112	185	245	265	76
90°	1	49	118	171	192	3
95°	0	33	86	129	147	0
105°	1	25	65	97	110	1
115°	1	20	51	78	88	1
125°	1	16	41	61	69	1
135°	1	12	30	46	51	1
145°	1	9	20	33	36	1
155°	1	6	12	20	23	0
165°	2	3	6	9	11	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1982.7	1982.7	1982.7	1982.7	1982.7
2.5°	1985.8	1984.2	1974.9	1983.4	1984.2
5°	1978.0	1978.0	1969.4	1977.2	1978.8
7.5°	1965.5	1966.3	1959.3	1968.6	1969.4
10°	1949.2	1949.2	1944.5	1953.8	1956.2
12.5°	1927.3	1928.1	1924.2	1935.1	1937.5
15°	1899.3	1901.6	1900.1	1912.5	1914.9
17.5°	1868.1	1871.3	1871.3	1885.3	1888.4
20°	1831.5	1836.2	1839.3	1854.9	1856.5
22.5°	1791.0	1797.2	1801.9	1819.8	1824.5
25°	1750.5	1754.4	1762.2	1780.9	1788.7
27.5°	1700.6	1708.4	1718.6	1738.8	1744.3
30°	1648.5	1659.4	1672.6	1694.4	1699.1
32.5°	1596.3	1606.4	1623.5	1644.6	1649.2
35°	1537.0	1550.3	1570.5	1592.4	1599.4
37.5°	1478.6	1494.2	1515.2	1537.8	1549.5
40°	1417.1	1432.7	1458.4	1480.2	1492.6
42.5°	1350.9	1369.6	1396.0	1422.5	1431.9
45°	1284.6	1304.1	1332.2	1357.9	1371.1
47.5°	1216.1	1237.9	1268.3	1294.0	1306.5
50°	1143.6	1169.3	1198.9	1229.3	1242.6
52.5°	1071.2	1096.1	1131.2	1163.9	1175.6
55°	996.4	1023.7	1058.7	1091.4	1102.3
57.5°	919.3	945.0	983.1	1017.4	1029.9
60°	837.5	870.2	913.0	945.0	955.1
62.5°	761.9	789.9	832.0	868.6	886.5
65°	679.3	708.9	754.9	793.1	807.9
67.5°	596.7	626.3	677.8	715.9	730.0
70°	514.9	543.8	599.1	638.0	653.6
72.5°	428.5	463.5	516.5	564.0	580.4
75°	342.8	384.8	445.6	489.2	507.2
77.5°	265.7	306.9	369.3	420.7	439.4
80°	187.0	231.4	299.2	351.3	373.9
82.5°	117.6	166.7	239.2	295.3	314.7
85°	60.0	112.2	185.4	245.4	264.9
87.5°	17.9	72.5	148.0	203.3	223.6
90°	0.8	49.1	117.6	171.4	191.6
92.5°	0.8	37.4	98.2	146.5	165.2
95°	0.0	32.7	85.7	129.3	147.2
97.5°	0.0	30.4	78.7	117.6	133.2
100°	0.0	28.0	73.2	109.8	123.9
102.5°	0.8	26.5	68.6	103.6	116.1
105°	0.8	24.9	64.7	97.4	109.8
107.5°	0.8	23.4	61.5	92.7	104.4
110°	0.8	22.6	58.4	87.3	98.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	21.0	54.5	82.6	93.5
115°	0.8	20.3	51.4	77.9	88.0
117.5°	0.8	19.5	49.1	73.2	83.4
120°	0.8	18.7	46.0	69.3	78.7
122.5°	0.8	17.1	43.6	64.7	73.2
125°	0.8	16.4	41.3	60.8	69.3
127.5°	0.8	15.6	38.2	56.9	64.7
130°	0.8	14.0	35.8	53.8	60.0
132.5°	0.8	13.2	33.5	49.9	56.1
135°	0.8	12.5	30.4	46.0	51.4
137.5°	0.8	10.9	28.0	42.8	47.5
140°	0.8	10.1	25.7	39.0	43.6
142.5°	0.8	9.3	22.6	35.8	39.7
145°	0.8	8.6	20.3	32.7	35.8
147.5°	0.8	7.8	17.9	29.6	32.7
150°	0.8	7.0	16.4	26.5	28.8
152.5°	0.8	6.2	14.0	22.6	25.7
155°	0.8	6.2	12.5	19.5	22.6
157.5°	1.6	5.5	10.9	16.4	19.5
160°	0.8	4.7	8.6	13.2	16.4
162.5°	1.6	3.9	7.8	10.9	14.0
165°	1.6	3.1	6.2	8.6	10.9
167.5°	1.6	2.3	4.7	6.2	8.6
170°	1.6	2.3	3.9	4.7	6.2
172.5°	1.6	1.6	2.3	3.1	3.9
175°	1.6	1.6	1.6	1.6	1.6
177.5°	1.6	1.6	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)