

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: P709877

Luminaire Tested: **8AWWS-L3C3-HO-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8AWWS-L3C3-HO-UNV-3500K-LOW
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

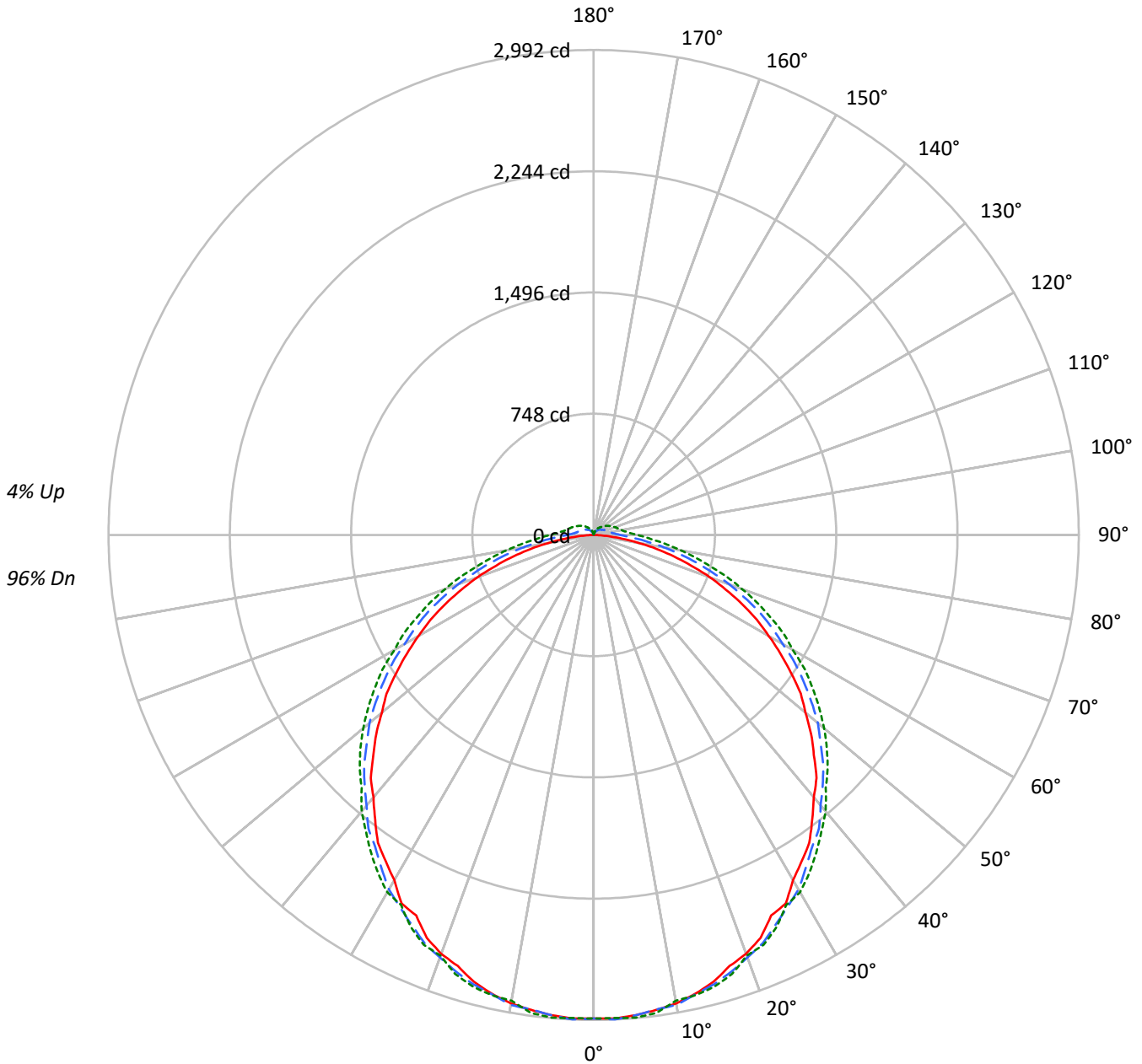
Lumens per Lamp: N/A
Luminaire Lumens: 9201.0 lumens
Efficiency: N/A
Efficacy: 167.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 55
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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79				
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65				
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54				
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46				
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40				
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	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	45	36	31	43	35	30	41	35	30	40	34	29	27				
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25				
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°	5214	5214	5214
5°	5208	5145	5152
10°	5188	5081	4997
15°	5133	4977	4948
20°	5072	4873	4780
25°	4944	4761	4698
30°	4899	4663	4595
35°	4870	4504	4467
40°	4729	4378	4334
45°	4642	4261	4186
50°	4514	4116	4054
55°	4388	3921	3887
60°	4195	3680	3659
65°	3986	3468	3456
70°	3668	3148	3180
75°	3183	2751	2840
80°	2479	2314	2536
85°	1427	1880	2263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.2	3.1
10°-20°	809.2	8.8
20°-30°	1221.0	13.3
30°-40°	1473.6	16.0
40°-50°	1535.7	16.7
50°-60°	1407.6	15.3
60°-70°	1103.8	12.0
70°-80°	682.4	7.4
80°-90°	289.4	3.1
90°-100°	126.7	1.4
100°-110°	89.9	1.0
110°-120°	67.5	0.7
120°-130°	48.1	0.5
130°-140°	31.7	0.3
140°-150°	18.8	0.2
150°-160°	9.0	0.1
160°-170°	3.0	0.0
170°-180°	0.4	0.0
0°-30°	2313.4	25.1
0°-40°	3787.0	41.2
0°-60°	6730.3	73.1
0°-90°	8805.9	95.7
90°-120°	284.1	3.1
90°-150°	382.8	4.2
90°-180°	395.0	4.3
0°-180°	9201.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2983	2983	2983	2983	2983	
5°	2974	2980	2974	2974	2989	283
15°	2854	2860	2869	2878	2884	804
25°	2591	2636	2654	2657	2669	1205
35°	2319	2328	2349	2388	2394	1442
45°	1921	1945	2002	2032	2041	1483
55°	1487	1526	1583	1616	1649	1328
65°	1011	1050	1128	1173	1203	998
75°	512	566	652	724	742	543
85°	90	162	266	344	377	114
90°	6	69	165	236	266	6
95°	0	45	120	180	206	0
105°	0	33	90	138	156	0
115°	0	27	72	111	126	0
125°	0	24	57	84	99	0
135°	0	18	45	63	75	0
145°	3	15	33	45	51	2
155°	3	9	21	30	33	1
165°	3	6	9	15	15	1
175°	3	3	3	3	6	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2983.1	2983.1	2983.1	2983.1	2983.1
2.5°	2986.1	2998.1	2992.1	2986.1	2983.1
5°	2974.1	2980.1	2974.1	2974.1	2989.1
7.5°	2956.2	2965.1	2953.2	2971.1	2974.1
10°	2935.2	2947.2	2944.2	2950.2	2917.3
12.5°	2899.3	2914.3	2902.3	2917.3	2908.3
15°	2854.4	2860.4	2869.4	2878.4	2884.4
17.5°	2788.6	2815.5	2824.5	2833.5	2839.5
20°	2749.7	2764.7	2773.7	2770.7	2761.7
22.5°	2689.9	2698.8	2725.8	2719.8	2737.7
25°	2591.1	2636.0	2654.0	2657.0	2668.9
27.5°	2564.2	2567.2	2588.1	2606.1	2573.2
30°	2459.5	2495.4	2525.3	2534.3	2546.3
32.5°	2387.7	2417.6	2435.5	2468.5	2474.4
35°	2318.9	2327.8	2348.8	2387.7	2393.7
37.5°	2214.1	2241.1	2283.0	2303.9	2306.9
40°	2112.4	2145.3	2178.2	2202.2	2226.1
42.5°	2034.6	2052.6	2091.5	2121.4	2118.4
45°	1920.9	1944.8	2001.7	2031.6	2040.6
47.5°	1819.2	1855.1	1897.0	1941.9	1950.8
50°	1705.5	1744.4	1804.2	1837.1	1855.1
52.5°	1609.7	1633.7	1693.5	1726.4	1753.4
55°	1487.1	1526.0	1582.8	1615.7	1648.6
57.5°	1367.4	1415.2	1472.1	1526.0	1543.9
60°	1247.7	1295.6	1346.4	1406.3	1418.2
62.5°	1134.0	1184.9	1238.7	1298.6	1322.5
65°	1011.3	1050.2	1128.0	1172.9	1202.8
67.5°	882.7	930.5	1005.3	1056.2	1092.1
70°	763.0	816.8	888.6	951.5	972.4
72.5°	631.3	697.2	766.0	831.8	861.7
75°	511.6	565.5	652.3	724.1	742.0
77.5°	397.9	448.8	541.6	613.4	640.3
80°	278.3	341.1	439.8	511.6	544.6
82.5°	176.5	242.4	344.1	421.9	457.8
85°	89.8	161.6	266.3	344.1	377.0
87.5°	29.9	101.7	203.5	284.2	317.2
90°	6.0	68.8	164.6	236.4	266.3
92.5°	0.0	50.9	137.6	203.5	230.4
95°	0.0	44.9	119.7	179.5	206.5
97.5°	0.0	41.9	110.7	164.6	185.5
100°	0.0	38.9	101.7	152.6	173.5
102.5°	0.0	35.9	95.7	143.6	164.6
105°	0.0	32.9	89.8	137.6	155.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.9	77.8	113.7	131.7
115°	0.0	26.9	71.8	110.7	125.7
117.5°	0.0	26.9	68.8	101.7	116.7
120°	0.0	23.9	62.8	95.7	110.7
122.5°	0.0	23.9	59.8	92.8	104.7
125°	0.0	23.9	56.8	83.8	98.7
127.5°	0.0	20.9	53.9	80.8	89.8
130°	0.0	20.9	50.9	74.8	83.8
132.5°	0.0	18.0	47.9	68.8	77.8
135°	0.0	18.0	44.9	62.8	74.8
137.5°	0.0	18.0	41.9	59.8	65.8
140°	0.0	15.0	38.9	53.9	62.8
142.5°	3.0	15.0	32.9	50.9	56.8
145°	3.0	15.0	32.9	44.9	50.9
147.5°	3.0	12.0	29.9	41.9	47.9
150°	3.0	12.0	26.9	35.9	41.9
152.5°	3.0	9.0	23.9	32.9	35.9
155°	3.0	9.0	20.9	29.9	32.9
157.5°	3.0	9.0	18.0	23.9	26.9
160°	3.0	6.0	15.0	20.9	23.9
162.5°	3.0	6.0	12.0	18.0	20.9
165°	3.0	6.0	9.0	15.0	15.0
167.5°	3.0	6.0	9.0	12.0	12.0
170°	3.0	3.0	6.0	9.0	9.0
172.5°	3.0	3.0	6.0	6.0	6.0
175°	3.0	3.0	3.0	3.0	6.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	32.9	86.8	128.7	146.6
110°	0.0	29.9	80.8	122.7	140.6



(END OF REPORT)