

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: P709840

Luminaire Tested: **4AWWS-L3C3-HO-UNV-3500K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709840
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: 4AWS-L3C3-HO-UNV-3500K-HI
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

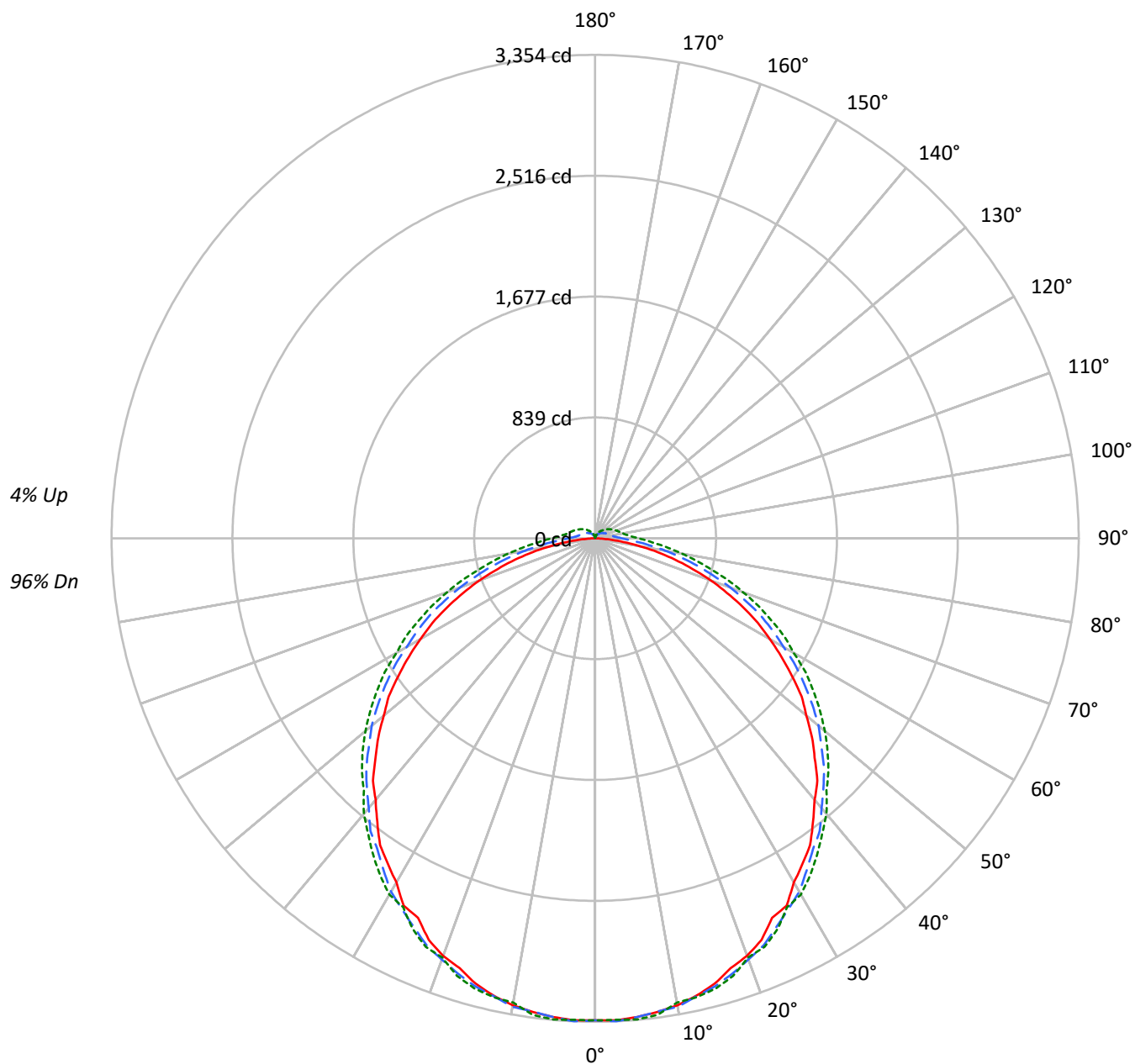
Lumens per Lamp: N/A
Luminaire Lumens: 10315.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 81
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	50	30	10
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°	11690	11690	11690
5°	11653	11521	11551
10°	11586	11361	11204
15°	11440	11113	11093
20°	11279	10866	10718
25°	10970	10600	10534
30°	10843	10367	10303
35°	10748	9996	10015
40°	10406	9701	9718
45°	10179	9423	9387
50°	9859	9082	9091
55°	9536	8630	8714
60°	9060	8074	8205
65°	8539	7579	7749
70°	7765	6847	7130
75°	6616	5944	6368
80°	4985	4950	5685
85°	2648	3957	5073



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.4	3.1
10°-20°	907.2	8.8
20°-30°	1368.8	13.3
30°-40°	1652.1	16.0
40°-50°	1721.6	16.7
50°-60°	1578.0	15.3
60°-70°	1237.5	12.0
70°-80°	765.0	7.4
80°-90°	324.4	3.1
90°-100°	142.1	1.4
100°-110°	100.8	1.0
110°-120°	75.6	0.7
120°-130°	54.0	0.5
130°-140°	35.6	0.3
140°-150°	21.1	0.2
150°-160°	10.1	0.1
160°-170°	3.3	0.0
170°-180°	0.5	0.0
0°-30°	2593.5	25.1
0°-40°	4245.5	41.2
0°-60°	7545.1	73.1
0°-90°	9872.0	95.7
90°-120°	318.5	3.1
90°-150°	429.1	4.2
90°-180°	443.0	4.3
0°-180°	10315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3344	3344	3344	3344	3344	
5°	3334	3341	3334	3334	3351	317
15°	3200	3207	3217	3227	3234	901
25°	2905	2955	2975	2979	2992	1351
35°	2600	2610	2633	2677	2684	1616
45°	2154	2180	2244	2278	2288	1663
55°	1667	1711	1774	1811	1848	1489
65°	1134	1177	1265	1315	1348	1119
75°	574	634	731	812	832	609
85°	101	181	298	386	423	128
90°	7	77	184	265	298	6
95°	0	50	134	201	231	0
105°	0	37	101	154	174	0
115°	0	30	80	124	141	0
125°	0	27	64	94	111	0
135°	0	20	50	70	84	0
145°	3	17	37	50	57	2
155°	3	10	24	34	37	2
165°	3	7	10	17	17	1
175°	3	3	3	3	7	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3344.3	3344.3	3344.3	3344.3	3344.3
2.5°	3347.6	3361.0	3354.3	3347.6	3344.3
5°	3334.2	3340.9	3334.2	3334.2	3351.0
7.5°	3314.1	3324.1	3310.7	3330.9	3334.2
10°	3290.6	3304.0	3300.7	3307.4	3270.5
12.5°	3250.3	3267.1	3253.7	3270.5	3260.4
15°	3200.0	3206.7	3216.8	3226.9	3233.6
17.5°	3126.2	3156.4	3166.5	3176.6	3183.3
20°	3082.6	3099.4	3109.5	3106.1	3096.0
22.5°	3015.5	3025.6	3055.8	3049.1	3069.2
25°	2904.9	2955.2	2975.3	2978.6	2992.1
27.5°	2874.7	2878.0	2901.5	2921.6	2884.7
30°	2757.3	2797.5	2831.1	2841.1	2854.5
32.5°	2676.8	2710.3	2730.4	2767.3	2774.0
35°	2599.6	2609.7	2633.2	2676.8	2683.5
37.5°	2482.2	2512.4	2559.4	2582.8	2586.2
40°	2368.2	2405.1	2442.0	2468.8	2495.6
42.5°	2280.9	2301.1	2344.7	2378.2	2374.9
45°	2153.5	2180.3	2244.0	2277.6	2287.7
47.5°	2039.4	2079.7	2126.6	2177.0	2187.0
50°	1912.0	1955.6	2022.7	2059.6	2079.7
52.5°	1804.6	1831.5	1898.6	1935.5	1965.6
55°	1667.1	1710.7	1774.4	1811.3	1848.2
57.5°	1532.9	1586.6	1650.3	1710.7	1730.8
60°	1398.8	1452.4	1509.4	1576.5	1590.0
62.5°	1271.3	1328.3	1388.7	1455.8	1482.6
65°	1133.8	1177.4	1264.6	1314.9	1348.4
67.5°	989.5	1043.2	1127.1	1184.1	1224.3
70°	855.4	915.7	996.2	1066.7	1090.2
72.5°	707.8	781.6	858.7	932.5	966.0
75°	573.6	634.0	731.2	811.7	831.9
77.5°	446.1	503.1	607.1	687.6	717.8
80°	312.0	382.4	493.1	573.6	610.5
82.5°	197.9	271.7	385.7	473.0	513.2
85°	100.6	181.1	298.5	385.7	422.6
87.5°	33.5	114.0	228.1	318.7	355.6
90°	6.7	77.1	184.5	265.0	298.5
92.5°	0.0	57.0	154.3	228.1	258.3
95°	0.0	50.3	134.2	201.3	231.4
97.5°	0.0	47.0	124.1	184.5	208.0
100°	0.0	43.6	114.0	171.1	194.6
102.5°	0.0	40.3	107.3	161.0	184.5
105°	0.0	36.9	100.6	154.3	174.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.5	87.2	127.5	147.6
115°	0.0	30.2	80.5	124.1	140.9
117.5°	0.0	30.2	77.1	114.0	130.8
120°	0.0	26.8	70.4	107.3	124.1
122.5°	0.0	26.8	67.1	104.0	117.4
125°	0.0	26.8	63.7	93.9	110.7
127.5°	0.0	23.5	60.4	90.6	100.6
130°	0.0	23.5	57.0	83.9	93.9
132.5°	0.0	20.1	53.7	77.1	87.2
135°	0.0	20.1	50.3	70.4	83.9
137.5°	0.0	20.1	47.0	67.1	73.8
140°	0.0	16.8	43.6	60.4	70.4
142.5°	3.4	16.8	36.9	57.0	63.7
145°	3.4	16.8	36.9	50.3	57.0
147.5°	3.4	13.4	33.5	47.0	53.7
150°	3.4	13.4	30.2	40.3	47.0
152.5°	3.4	10.1	26.8	36.9	40.3
155°	3.4	10.1	23.5	33.5	36.9
157.5°	3.4	10.1	20.1	26.8	30.2
160°	3.4	6.7	16.8	23.5	26.8
162.5°	3.4	6.7	13.4	20.1	23.5
165°	3.4	6.7	10.1	16.8	16.8
167.5°	3.4	6.7	10.1	13.4	13.4
170°	3.4	3.4	6.7	10.1	10.1
172.5°	3.4	3.4	6.7	6.7	6.7
175°	3.4	3.4	3.4	3.4	6.7
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	36.9	97.3	144.2	164.4
110°	0.0	33.5	90.6	137.5	157.7



(END OF REPORT)