

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: P709717

Luminaire Tested: **4AWS-L3C3-HO-UNV-4000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)
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-4000K-HI
Description: 4foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

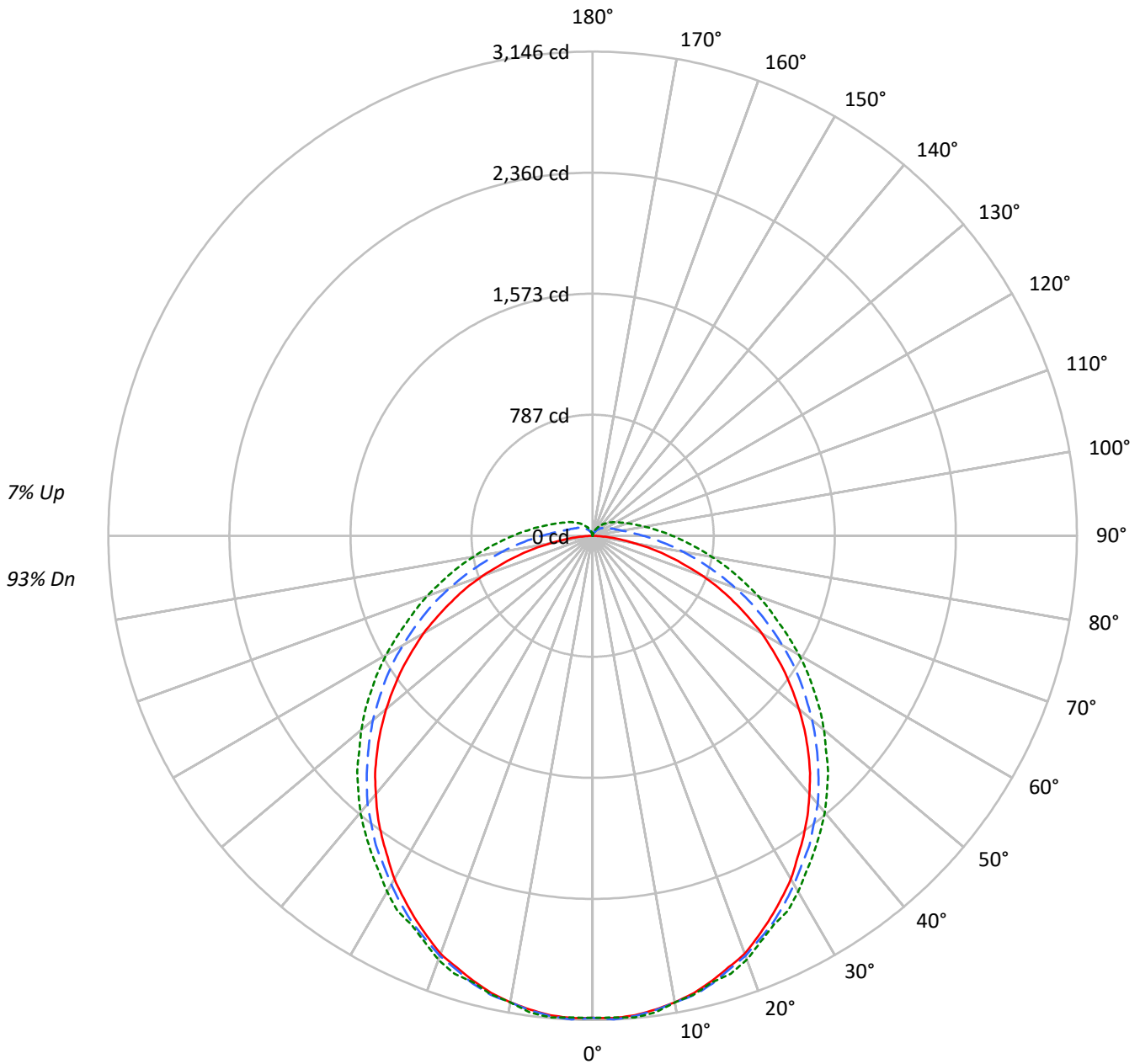
Lumens per Lamp: N/A
Luminaire Lumens: 10146.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 3.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 78
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19757	19757	19757
5°	19748	19479	19445
10°	19605	19021	18849
15°	19377	18627	18323
20°	19173	18121	17963
25°	18768	17599	17291
30°	18416	17017	16901
35°	17975	16505	16332
40°	17555	15957	15854
45°	17100	15284	15302
50°	16536	14654	14679
55°	15895	13973	14058
60°	15170	13204	13452
65°	14091	12425	12755
70°	12844	11547	12293
75°	11027	10667	11803
80°	8400	9964	11504
85°	4977	9541	11581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.2	2.9
10°-20°	847.9	8.4
20°-30°	1275.9	12.6
30°-40°	1532.2	15.1
40°-50°	1595.5	15.7
50°-60°	1466.0	14.4
60°-70°	1177.4	11.6
70°-80°	802.7	7.9
80°-90°	456.2	4.5
90°-100°	255.5	2.5
100°-110°	161.7	1.6
110°-120°	110.4	1.1
120°-130°	75.8	0.7
130°-140°	48.2	0.5
140°-150°	26.8	0.3
150°-160°	12.2	0.1
160°-170°	3.9	0.0
170°-180°	0.5	0.0
0°-30°	2421.0	23.9
0°-40°	3953.2	39.0
0°-60°	7014.7	69.1
0°-90°	9451.0	93.1
90°-120°	527.6	5.2
90°-150°	678.5	6.7
90°-180°	695.0	6.8
0°-180°	10146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3132	3132	3132	3132	3132	
5°	3128	3132	3132	3137	3141	297
15°	2993	2989	3011	3020	3002	845
25°	2738	2738	2773	2800	2787	1262
35°	2387	2401	2455	2491	2509	1494
45°	1979	2002	2069	2132	2163	1526
55°	1512	1557	1647	1723	1755	1350
65°	1010	1086	1203	1292	1333	1001
75°	507	615	776	906	956	537
85°	94	242	444	588	637	116
90°	4	144	328	462	516	6
95°	0	90	247	372	417	0
105°	0	58	157	247	283	0
115°	0	45	117	180	202	0
125°	4	31	90	135	153	2
135°	4	27	67	99	112	3
145°	4	18	45	67	72	3
155°	4	14	27	40	45	2
165°	4	9	14	18	22	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3132.4	3132.4	3132.4	3132.4	3132.4
2.5°	3136.9	3132.4	3145.9	3141.4	3132.4
5°	3127.9	3132.4	3132.4	3136.9	3141.4
7.5°	3105.5	3096.5	3110.0	3123.4	3123.4
10°	3078.5	3069.6	3078.5	3087.5	3078.5
12.5°	3042.6	3024.7	3056.1	3056.1	3051.6
15°	2993.3	2988.8	3011.2	3020.2	3002.2
17.5°	2939.4	2952.9	2952.9	2970.8	2984.3
20°	2890.1	2881.1	2903.5	2917.0	2930.4
22.5°	2813.8	2809.3	2836.2	2858.6	2854.2
25°	2737.5	2737.5	2773.4	2800.3	2786.8
27.5°	2656.7	2656.7	2697.1	2724.0	2746.5
30°	2575.9	2584.9	2616.3	2652.2	2670.2
32.5°	2477.2	2499.6	2531.0	2580.4	2584.9
35°	2387.4	2400.9	2454.8	2490.7	2508.6
37.5°	2293.2	2297.7	2360.5	2409.9	2427.8
40°	2190.0	2199.0	2275.2	2320.1	2347.0
42.5°	2091.3	2100.2	2172.0	2230.4	2252.8
45°	1979.1	2001.5	2068.8	2131.6	2163.1
47.5°	1866.9	1898.3	1965.6	2037.4	2055.4
50°	1750.2	1781.6	1862.4	1920.7	1961.1
52.5°	1629.0	1669.4	1750.2	1826.5	1862.4
55°	1512.3	1557.2	1647.0	1723.3	1754.7
57.5°	1386.7	1440.5	1539.3	1620.0	1655.9
60°	1270.0	1314.9	1422.6	1507.9	1548.2
62.5°	1135.4	1193.7	1310.4	1404.6	1440.5
65°	1009.7	1086.0	1202.7	1292.4	1332.8
67.5°	888.6	964.8	1095.0	1189.2	1238.6
70°	758.4	843.7	982.8	1090.5	1144.4
72.5°	623.8	722.5	879.6	1000.7	1045.6
75°	507.1	614.8	776.4	906.5	955.9
77.5°	390.4	502.6	682.1	816.8	870.6
80°	273.7	399.4	596.9	736.0	785.3
82.5°	179.5	318.6	516.1	655.2	709.1
85°	94.2	242.3	444.3	587.9	637.2
87.5°	31.4	184.0	381.5	525.1	574.4
90°	4.5	143.6	327.6	462.2	516.1
92.5°	0.0	112.2	282.7	417.4	466.7
95°	0.0	89.8	246.8	372.5	417.4
97.5°	0.0	76.3	219.9	332.1	381.5
100°	0.0	67.3	193.0	300.7	341.1
102.5°	0.0	62.8	175.0	269.3	309.6
105°	0.0	58.3	157.1	246.8	282.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.9	125.7	193.0	219.9
115°	0.0	44.9	116.7	179.5	201.9
117.5°	0.0	40.4	112.2	166.0	188.5
120°	0.0	35.9	103.2	157.1	179.5
122.5°	0.0	35.9	94.2	148.1	166.0
125°	4.5	31.4	89.8	134.6	152.6
127.5°	4.5	31.4	85.3	125.7	143.6
130°	4.5	26.9	76.3	116.7	130.1
132.5°	4.5	26.9	71.8	107.7	121.2
135°	4.5	26.9	67.3	98.7	112.2
137.5°	4.5	22.4	58.3	89.8	103.2
140°	4.5	22.4	53.9	80.8	94.2
142.5°	4.5	22.4	49.4	71.8	85.3
145°	4.5	18.0	44.9	67.3	71.8
147.5°	4.5	18.0	40.4	58.3	67.3
150°	4.5	13.5	35.9	49.4	58.3
152.5°	4.5	13.5	31.4	44.9	49.4
155°	4.5	13.5	26.9	40.4	44.9
157.5°	4.5	13.5	22.4	35.9	35.9
160°	4.5	9.0	18.0	26.9	31.4
162.5°	4.5	9.0	18.0	22.4	26.9
165°	4.5	9.0	13.5	18.0	22.4
167.5°	4.5	4.5	9.0	13.5	18.0
170°	4.5	4.5	9.0	9.0	13.5
172.5°	4.5	4.5	4.5	4.5	9.0
175°	4.5	4.5	4.5	4.5	4.5
177.5°	4.5	4.5	4.5	0.0	0.0
180°	4.5	4.5	4.5	4.5	4.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	53.9	148.1	224.4	260.3
110°	0.0	49.4	134.6	206.4	237.8



(END OF REPORT)