

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: P709846

Luminaire Tested: **4AWWS-L3C3-HO-UNV-5000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709846
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-5000K-HI
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

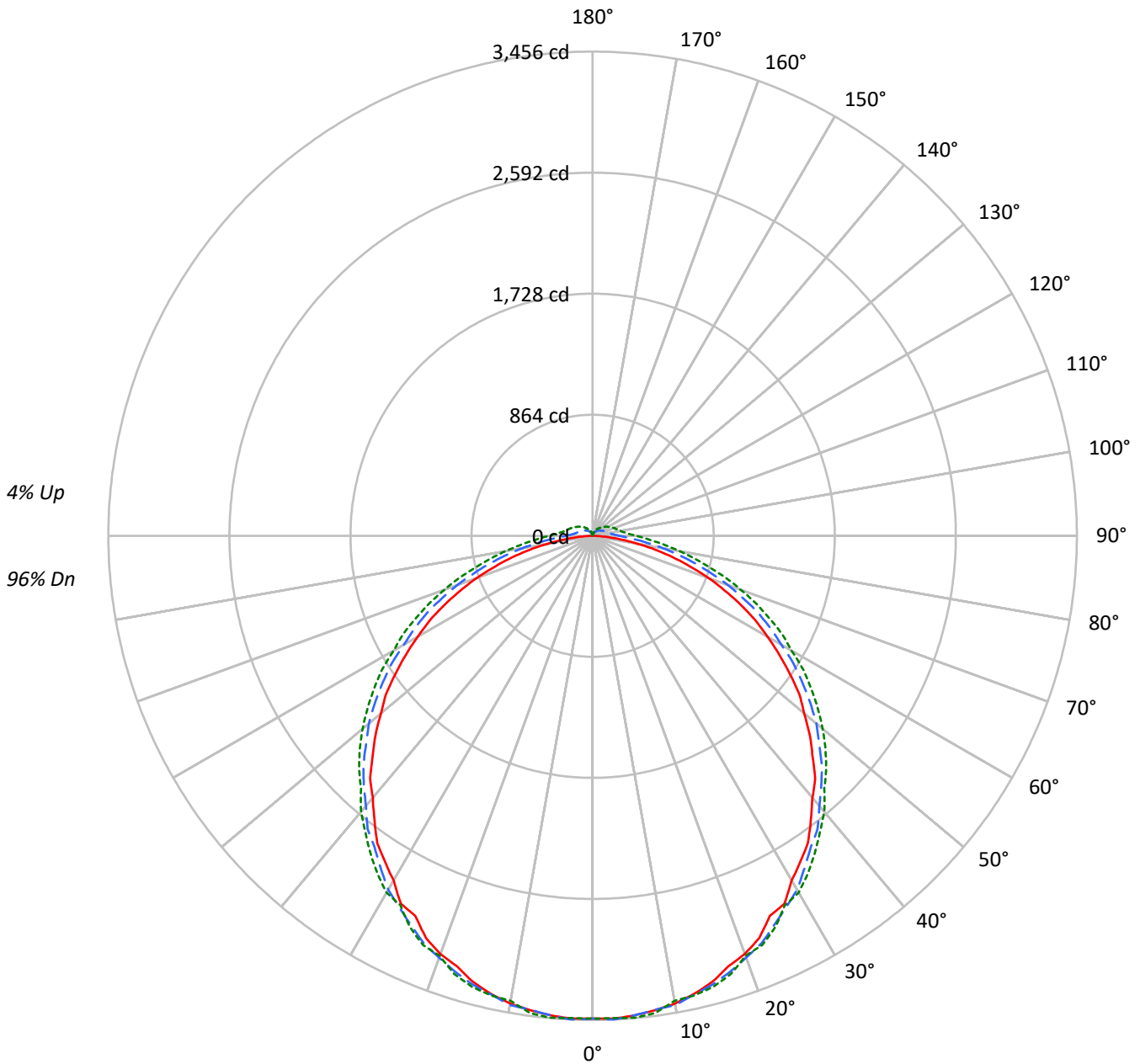
Lumens per Lamp: N/A
Luminaire Lumens: 10629.0 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 81
Input Voltage (V): NR
Input Current (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									
RC	80									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°	12046	12046	12046
5°	12007	11872	11903
10°	11939	11706	11545
15°	11788	11452	11431
20°	11622	11197	11044
25°	11303	10922	10855
30°	11172	10682	10617
35°	11075	10300	10320
40°	10723	9996	10014
45°	10489	9710	9672
50°	10159	9358	9367
55°	9826	8893	8980
60°	9335	8320	8455
65°	8799	7810	7985
70°	8001	7056	7346
75°	6817	6125	6562
80°	5135	5101	5859
85°	2730	4077	5228



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.1	3.1
10°-20°	934.8	8.8
20°-30°	1410.5	13.3
30°-40°	1702.3	16.0
40°-50°	1774.0	16.7
50°-60°	1626.0	15.3
60°-70°	1275.2	12.0
70°-80°	788.3	7.4
80°-90°	334.3	3.1
90°-100°	146.4	1.4
100°-110°	103.9	1.0
110°-120°	78.0	0.7
120°-130°	55.6	0.5
130°-140°	36.6	0.3
140°-150°	21.7	0.2
150°-160°	10.4	0.1
160°-170°	3.4	0.0
170°-180°	0.5	0.0
0°-30°	2672.4	25.1
0°-40°	4374.8	41.2
0°-60°	7774.8	73.1
0°-90°	10172.5	95.7
90°-120°	328.2	3.1
90°-150°	442.2	4.2
90°-180°	457.0	4.3
0°-180°	10629.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3446	3446	3446	3446	3446	
5°	3436	3443	3436	3436	3453	326
15°	3297	3304	3315	3325	3332	929
25°	2993	3045	3066	3069	3083	1393
35°	2679	2689	2713	2758	2765	1665
45°	2219	2247	2312	2347	2357	1713
55°	1718	1763	1828	1866	1904	1535
65°	1168	1213	1303	1355	1390	1153
75°	591	653	754	836	857	628
85°	104	187	308	398	436	132
90°	7	80	190	273	308	7
95°	0	52	138	207	238	0
105°	0	38	104	159	180	0
115°	0	31	83	128	145	0
125°	0	28	66	97	114	0
135°	0	21	52	73	86	0
145°	4	17	38	52	59	2
155°	4	10	24	35	38	2
165°	4	7	10	17	17	1
175°	4	4	4	4	7	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3446.1	3446.1	3446.1	3446.1	3446.1
2.5°	3449.5	3463.4	3456.4	3449.5	3446.1
5°	3435.7	3442.6	3435.7	3435.7	3453.0
7.5°	3415.0	3425.3	3411.5	3432.2	3435.7
10°	3390.8	3404.6	3401.1	3408.1	3370.0
12.5°	3349.3	3366.6	3352.7	3370.0	3359.7
15°	3297.4	3304.4	3314.7	3325.1	3332.0
17.5°	3221.4	3252.5	3262.9	3273.3	3280.2
20°	3176.5	3193.8	3204.1	3200.7	3190.3
22.5°	3107.3	3117.7	3148.8	3141.9	3162.6
25°	2993.3	3045.1	3065.9	3069.3	3083.1
27.5°	2962.2	2965.6	2989.8	3010.6	2972.5
30°	2841.2	2882.7	2917.2	2927.6	2941.4
32.5°	2758.2	2792.8	2813.5	2851.6	2858.5
35°	2678.7	2689.1	2713.3	2758.2	2765.2
37.5°	2557.8	2588.9	2637.3	2661.5	2664.9
40°	2440.2	2478.3	2516.3	2543.9	2571.6
42.5°	2350.4	2371.1	2416.1	2450.6	2447.2
45°	2219.0	2246.7	2312.4	2346.9	2357.3
47.5°	2101.5	2143.0	2191.4	2243.2	2253.6
50°	1970.2	2015.1	2084.2	2122.3	2143.0
52.5°	1859.6	1887.2	1956.3	1994.4	2025.5
55°	1717.9	1762.8	1828.5	1866.5	1904.5
57.5°	1579.6	1634.9	1700.6	1762.8	1783.5
60°	1441.3	1496.6	1555.4	1624.5	1638.4
62.5°	1310.0	1368.8	1431.0	1500.1	1527.7
65°	1168.3	1213.2	1303.1	1354.9	1389.5
67.5°	1019.7	1075.0	1161.4	1220.1	1261.6
70°	881.4	943.6	1026.6	1099.1	1123.3
72.5°	729.3	805.4	884.8	960.9	995.5
75°	591.1	653.3	753.5	836.5	857.2
77.5°	459.7	518.5	625.6	708.6	739.7
80°	321.4	394.0	508.1	591.1	629.1
82.5°	203.9	280.0	397.5	487.4	528.8
85°	103.7	186.6	307.6	397.5	435.5
87.5°	34.6	117.5	235.0	328.4	366.4
90°	6.9	79.5	190.1	273.1	307.6
92.5°	0.0	58.8	159.0	235.0	266.1
95°	0.0	51.8	138.3	207.4	238.5
97.5°	0.0	48.4	127.9	190.1	214.3
100°	0.0	44.9	117.5	176.3	200.5
102.5°	0.0	41.5	110.6	165.9	190.1
105°	0.0	38.0	103.7	159.0	179.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	34.6	89.9	131.3	152.1
115°	0.0	31.1	83.0	127.9	145.2
117.5°	0.0	31.1	79.5	117.5	134.8
120°	0.0	27.7	72.6	110.6	127.9
122.5°	0.0	27.7	69.1	107.1	121.0
125°	0.0	27.7	65.7	96.8	114.1
127.5°	0.0	24.2	62.2	93.3	103.7
130°	0.0	24.2	58.8	86.4	96.8
132.5°	0.0	20.7	55.3	79.5	89.9
135°	0.0	20.7	51.8	72.6	86.4
137.5°	0.0	20.7	48.4	69.1	76.0
140°	0.0	17.3	44.9	62.2	72.6
142.5°	3.5	17.3	38.0	58.8	65.7
145°	3.5	17.3	38.0	51.8	58.8
147.5°	3.5	13.8	34.6	48.4	55.3
150°	3.5	13.8	31.1	41.5	48.4
152.5°	3.5	10.4	27.7	38.0	41.5
155°	3.5	10.4	24.2	34.6	38.0
157.5°	3.5	10.4	20.7	27.7	31.1
160°	3.5	6.9	17.3	24.2	27.7
162.5°	3.5	6.9	13.8	20.7	24.2
165°	3.5	6.9	10.4	17.3	17.3
167.5°	3.5	6.9	10.4	13.8	13.8
170°	3.5	3.5	6.9	10.4	10.4
172.5°	3.5	3.5	6.9	6.9	6.9
175°	3.5	3.5	3.5	3.5	6.9
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	38.0	100.2	148.6	169.4
110°	0.0	34.6	93.3	141.7	162.5



(END OF REPORT)