

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: P709770

Luminaire Tested: **8AWS-L3C3-HO-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709770
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: 8AWS-L3C3-HO-UNV-3500K-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

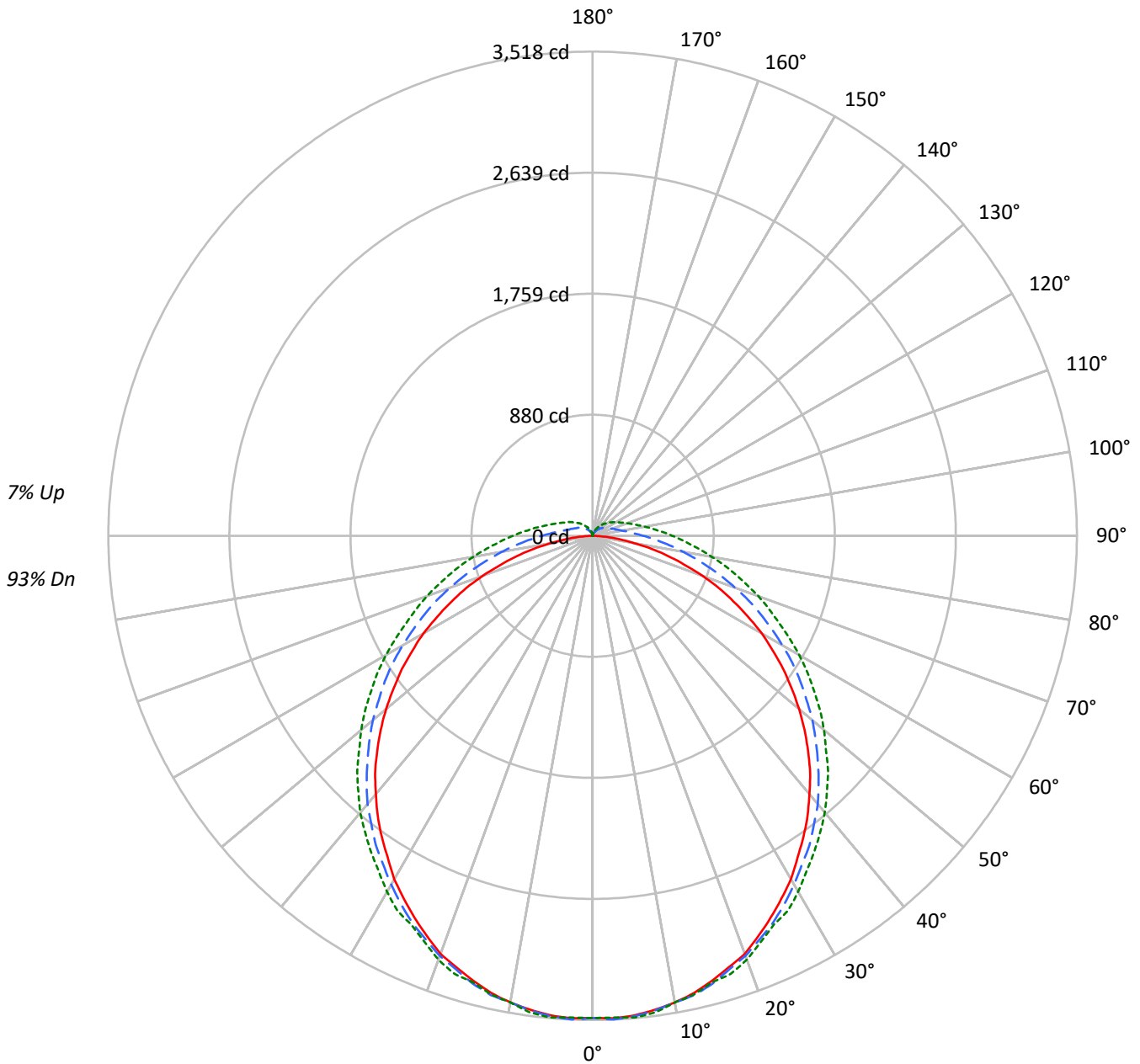
Lumens per Lamp: N/A
Luminaire Lumens: 11348.0 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 73
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°	11049	11049	11049
5°	11059	10904	10874
10°	10995	10658	10541
15°	10883	10448	10247
20°	10784	10173	10046
25°	10574	9890	9670
30°	10394	9573	9452
35°	10165	9295	9134
40°	9949	8997	8866
45°	9715	8629	8557
50°	9422	8285	8209
55°	9090	7914	7862
60°	8715	7493	7523
65°	8144	7068	7133
70°	7489	6589	6874
75°	6518	6112	6600
80°	5094	5743	6434
85°	3219	5551	6477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.4	2.9
10°-20°	948.4	8.4
20°-30°	1427.0	12.6
30°-40°	1713.7	15.1
40°-50°	1784.5	15.7
50°-60°	1639.7	14.4
60°-70°	1316.8	11.6
70°-80°	897.8	7.9
80°-90°	510.3	4.5
90°-100°	285.8	2.5
100°-110°	180.9	1.6
110°-120°	123.4	1.1
120°-130°	84.8	0.7
130°-140°	53.9	0.5
140°-150°	30.0	0.3
150°-160°	13.6	0.1
160°-170°	4.3	0.0
170°-180°	0.6	0.0
0°-30°	2707.9	23.9
0°-40°	4421.6	39.0
0°-60°	7845.7	69.1
0°-90°	10570.6	93.1
90°-120°	590.1	5.2
90°-150°	758.9	6.7
90°-180°	777.0	6.8
0°-180°	11348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3504	3504	3504	3504	3504	
5°	3498	3504	3504	3508	3514	332
15°	3348	3343	3368	3378	3358	945
25°	3062	3062	3102	3132	3117	1411
35°	2670	2685	2746	2786	2806	1671
45°	2214	2239	2314	2384	2419	1707
55°	1692	1742	1842	1927	1963	1510
65°	1129	1215	1345	1446	1491	1120
75°	567	688	868	1014	1069	601
85°	105	271	497	658	713	130
90°	5	161	366	517	577	6
95°	0	100	276	417	467	0
105°	0	65	176	276	316	0
115°	0	50	130	201	226	0
125°	5	35	100	151	171	3
135°	5	30	75	110	126	4
145°	5	20	50	75	80	3
155°	5	15	30	45	50	2
165°	5	10	15	20	25	1
175°	5	5	5	5	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3503.5	3503.5	3503.5	3503.5	3503.5
2.5°	3508.5	3503.5	3518.5	3513.5	3503.5
5°	3498.5	3503.5	3503.5	3508.5	3513.5
7.5°	3473.4	3463.3	3478.4	3493.4	3493.4
10°	3443.3	3433.2	3443.3	3453.3	3443.3
12.5°	3403.1	3383.0	3418.2	3418.2	3413.1
15°	3347.9	3342.9	3368.0	3378.0	3357.9
17.5°	3287.7	3302.7	3302.7	3322.8	3337.8
20°	3232.4	3222.4	3247.5	3262.6	3277.6
22.5°	3147.1	3142.1	3172.2	3197.3	3192.3
25°	3061.8	3061.8	3101.9	3132.1	3117.0
27.5°	2971.4	2971.4	3016.6	3046.7	3071.8
30°	2881.1	2891.1	2926.3	2966.4	2986.5
32.5°	2770.7	2795.8	2830.9	2886.1	2891.1
35°	2670.3	2685.3	2745.6	2785.7	2805.8
37.5°	2564.9	2569.9	2640.2	2695.4	2715.5
40°	2449.4	2459.5	2544.8	2595.0	2625.1
42.5°	2339.0	2349.0	2429.4	2494.6	2519.7
45°	2213.5	2238.6	2313.9	2384.2	2419.3
47.5°	2088.0	2123.2	2198.5	2278.8	2298.8
50°	1957.5	1992.7	2083.0	2148.3	2193.4
52.5°	1822.0	1867.2	1957.5	2042.9	2083.0
55°	1691.5	1741.7	1842.1	1927.4	1962.6
57.5°	1551.0	1611.2	1721.6	1812.0	1852.1
60°	1420.5	1470.7	1591.1	1686.5	1731.7
62.5°	1269.9	1335.1	1465.6	1571.0	1611.2
65°	1129.3	1214.7	1345.2	1445.6	1490.7
67.5°	993.8	1079.2	1224.7	1330.1	1385.3
70°	848.3	943.6	1099.2	1219.7	1279.9
72.5°	697.7	808.1	983.8	1119.3	1169.5
75°	567.2	687.6	868.3	1013.9	1069.1
77.5°	436.7	562.2	762.9	913.5	973.7
80°	306.2	446.7	667.6	823.2	878.4
82.5°	200.8	356.4	577.2	732.8	793.1
85°	105.4	271.0	496.9	657.5	712.7
87.5°	35.1	205.8	426.6	587.3	642.5
90°	5.0	160.6	366.4	517.0	577.2
92.5°	0.0	125.5	316.2	466.8	522.0
95°	0.0	100.4	276.1	416.6	466.8
97.5°	0.0	85.3	245.9	371.4	426.6
100°	0.0	75.3	215.8	336.3	381.5
102.5°	0.0	70.3	195.8	301.2	346.3
105°	0.0	65.3	175.7	276.1	316.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.2	140.5	215.8	245.9
115°	0.0	50.2	130.5	200.8	225.9
117.5°	0.0	45.2	125.5	185.7	210.8
120°	0.0	40.2	115.4	175.7	200.8
122.5°	0.0	40.2	105.4	165.6	185.7
125°	5.0	35.1	100.4	150.6	170.7
127.5°	5.0	35.1	95.4	140.5	160.6
130°	5.0	30.1	85.3	130.5	145.6
132.5°	5.0	30.1	80.3	120.5	135.5
135°	5.0	30.1	75.3	110.4	125.5
137.5°	5.0	25.1	65.3	100.4	115.4
140°	5.0	25.1	60.2	90.3	105.4
142.5°	5.0	25.1	55.2	80.3	95.4
145°	5.0	20.1	50.2	75.3	80.3
147.5°	5.0	20.1	45.2	65.3	75.3
150°	5.0	15.1	40.2	55.2	65.3
152.5°	5.0	15.1	35.1	50.2	55.2
155°	5.0	15.1	30.1	45.2	50.2
157.5°	5.0	15.1	25.1	40.2	40.2
160°	5.0	10.0	20.1	30.1	35.1
162.5°	5.0	10.0	20.1	25.1	30.1
165°	5.0	10.0	15.1	20.1	25.1
167.5°	5.0	5.0	10.0	15.1	20.1
170°	5.0	5.0	10.0	10.0	15.1
172.5°	5.0	5.0	5.0	5.0	10.0
175°	5.0	5.0	5.0	5.0	5.0
177.5°	5.0	5.0	5.0	0.0	0.0
180°	5.0	5.0	5.0	5.0	5.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	60.2	165.6	251.0	291.1
110°	0.0	55.2	150.6	230.9	266.0



(END OF REPORT)