

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: P709776

Luminaire Tested: **8AWS-L3C3-HO-UNV-5000K-MID**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709776  
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-5000K-MID  
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
5000K, 80CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

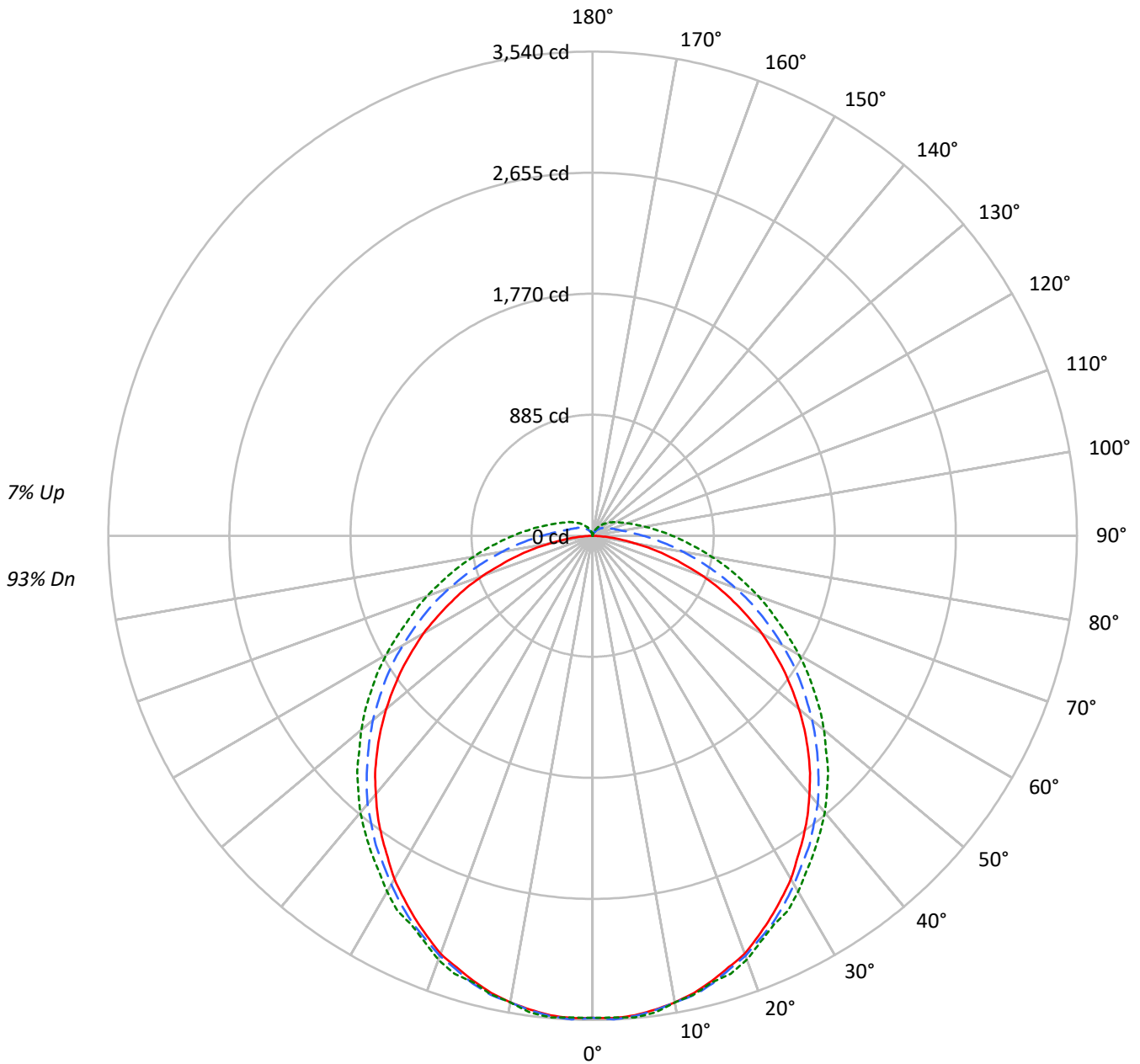
Lumens per Lamp: N/A  
Luminaire Lumens: 11416.8 lumens  
Efficiency: N/A  
Efficacy: 158.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Direct

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	11116	11116	11116
5°	11126	10970	10941
10°	11062	10723	10605
15°	10949	10511	10309
20°	10850	10235	10107
25°	10638	9950	9729
30°	10458	9632	9509
35°	10227	9352	9189
40°	10009	9052	8920
45°	9774	8682	8609
50°	9479	8336	8259
55°	9146	7962	7909
60°	8768	7539	7569
65°	8194	7112	7177
70°	7534	6629	6916
75°	6557	6149	6641
80°	5124	5778	6473
85°	3237	5584	6517



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.5	2.9
10°-20°	954.2	8.4
20°-30°	1435.7	12.6
30°-40°	1724.1	15.1
40°-50°	1795.3	15.7
50°-60°	1649.6	14.4
60°-70°	1324.9	11.6
70°-80°	903.3	7.9
80°-90°	513.4	4.5
90°-100°	287.5	2.5
100°-110°	181.9	1.6
110°-120°	124.2	1.1
120°-130°	85.3	0.7
130°-140°	54.3	0.5
140°-150°	30.2	0.3
150°-160°	13.7	0.1
160°-170°	4.3	0.0
170°-180°	0.6	0.0
0°-30°	2724.3	23.9
0°-40°	4448.4	39.0
0°-60°	7893.4	69.1
0°-90°	10634.9	93.2
90°-120°	593.6	5.2
90°-150°	763.3	6.7
90°-180°	782.0	6.8
0°-180°	11416.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3525	3525	3525	3525	3525	
5°	3520	3525	3525	3530	3535	334
15°	3368	3363	3388	3398	3378	951
25°	3080	3080	3121	3151	3136	1420
35°	2686	2702	2762	2803	2823	1681
45°	2227	2252	2328	2399	2434	1717
55°	1702	1752	1853	1939	1974	1519
65°	1136	1222	1353	1454	1500	1127
75°	571	692	874	1020	1076	604
85°	106	273	500	662	717	130
90°	5	162	369	520	581	6
95°	0	101	278	419	470	0
105°	0	66	177	278	318	0
115°	0	50	131	202	227	0
125°	5	35	101	152	172	3
135°	5	30	76	111	126	4
145°	5	20	50	76	81	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°	3524.8	3524.8	3524.8	3524.8	3524.8
2.5°	3529.8	3524.8	3539.9	3534.9	3524.8
5°	3519.7	3524.8	3524.8	3529.8	3534.9
7.5°	3494.5	3484.4	3499.5	3514.7	3514.7
10°	3464.2	3454.1	3464.2	3474.3	3464.2
12.5°	3423.8	3403.6	3438.9	3438.9	3433.9
15°	3368.2	3363.2	3388.4	3398.5	3378.3
17.5°	3307.6	3322.8	3322.8	3343.0	3358.1
20°	3252.1	3242.0	3267.2	3282.4	3297.5
22.5°	3166.3	3161.2	3191.5	3216.7	3211.7
25°	3080.4	3080.4	3120.8	3151.1	3136.0
27.5°	2989.5	2989.5	3035.0	3065.3	3090.5
30°	2898.6	2908.7	2944.1	2984.5	3004.7
32.5°	2787.5	2812.8	2848.1	2903.7	2908.7
35°	2686.5	2701.7	2762.3	2802.7	2822.9
37.5°	2580.5	2585.5	2656.2	2711.8	2732.0
40°	2464.3	2474.4	2560.3	2610.8	2641.1
42.5°	2353.2	2363.3	2444.1	2509.8	2535.0
45°	2227.0	2252.2	2328.0	2398.7	2434.0
47.5°	2100.7	2136.1	2211.8	2292.6	2312.8
50°	1969.4	2004.8	2095.7	2161.3	2206.8
52.5°	1833.1	1878.5	1969.4	2055.3	2095.7
55°	1701.8	1752.3	1853.3	1939.1	1974.5
57.5°	1560.4	1621.0	1732.1	1823.0	1863.4
60°	1429.1	1479.6	1600.8	1696.7	1742.2
62.5°	1277.6	1343.3	1474.6	1580.6	1621.0
65°	1136.2	1222.1	1353.4	1454.4	1499.8
67.5°	999.9	1085.7	1232.2	1338.2	1393.8
70°	853.4	949.4	1105.9	1227.1	1287.7
72.5°	701.9	813.0	989.8	1126.1	1176.6
75°	570.6	691.8	873.6	1020.1	1075.6
77.5°	439.3	565.6	767.6	919.1	979.7
80°	308.0	449.4	671.6	828.2	883.7
82.5°	202.0	358.5	580.7	737.3	797.9
85°	106.0	272.7	499.9	661.5	717.1
87.5°	35.3	207.0	429.2	590.8	646.4
90°	5.0	161.6	368.6	520.1	580.7
92.5°	0.0	126.2	318.1	469.6	525.2
95°	0.0	101.0	277.7	419.1	469.6
97.5°	0.0	85.8	247.4	373.7	429.2
100°	0.0	75.7	217.1	338.3	383.8
102.5°	0.0	70.7	196.9	303.0	348.4
105°	0.0	65.6	176.7	277.7	318.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.5	141.4	217.1	247.4
115°	0.0	50.5	131.3	202.0	227.2
117.5°	0.0	45.4	126.2	186.8	212.1
120°	0.0	40.4	116.1	176.7	202.0
122.5°	0.0	40.4	106.0	166.6	186.8
125°	5.0	35.3	101.0	151.5	171.7
127.5°	5.0	35.3	95.9	141.4	161.6
130°	5.0	30.3	85.8	131.3	146.4
132.5°	5.0	30.3	80.8	121.2	136.3
135°	5.0	30.3	75.7	111.1	126.2
137.5°	5.0	25.2	65.6	101.0	116.1
140°	5.0	25.2	60.6	90.9	106.0
142.5°	5.0	25.2	55.5	80.8	95.9
145°	5.0	20.2	50.5	75.7	80.8
147.5°	5.0	20.2	45.4	65.6	75.7
150°	5.0	15.1	40.4	55.5	65.6
152.5°	5.0	15.1	35.3	50.5	55.5
155°	5.0	15.1	30.3	45.4	50.5
157.5°	5.0	15.1	25.2	40.4	40.4
160°	5.0	10.1	20.2	30.3	35.3
162.5°	5.0	10.1	20.2	25.2	30.3
165°	5.0	10.1	15.1	20.2	25.2
167.5°	5.0	5.0	10.1	15.1	20.2
170°	5.0	5.0	10.1	10.1	15.1
172.5°	5.0	5.0	5.0	5.0	10.1
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	60.6	166.6	252.5	292.9
110°	0.0	55.5	151.5	232.3	267.6



(END OF REPORT)