

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: P709773

Luminaire Tested: **8AWS-L3C3-HO-UNV-4000K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709773
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-4000K-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

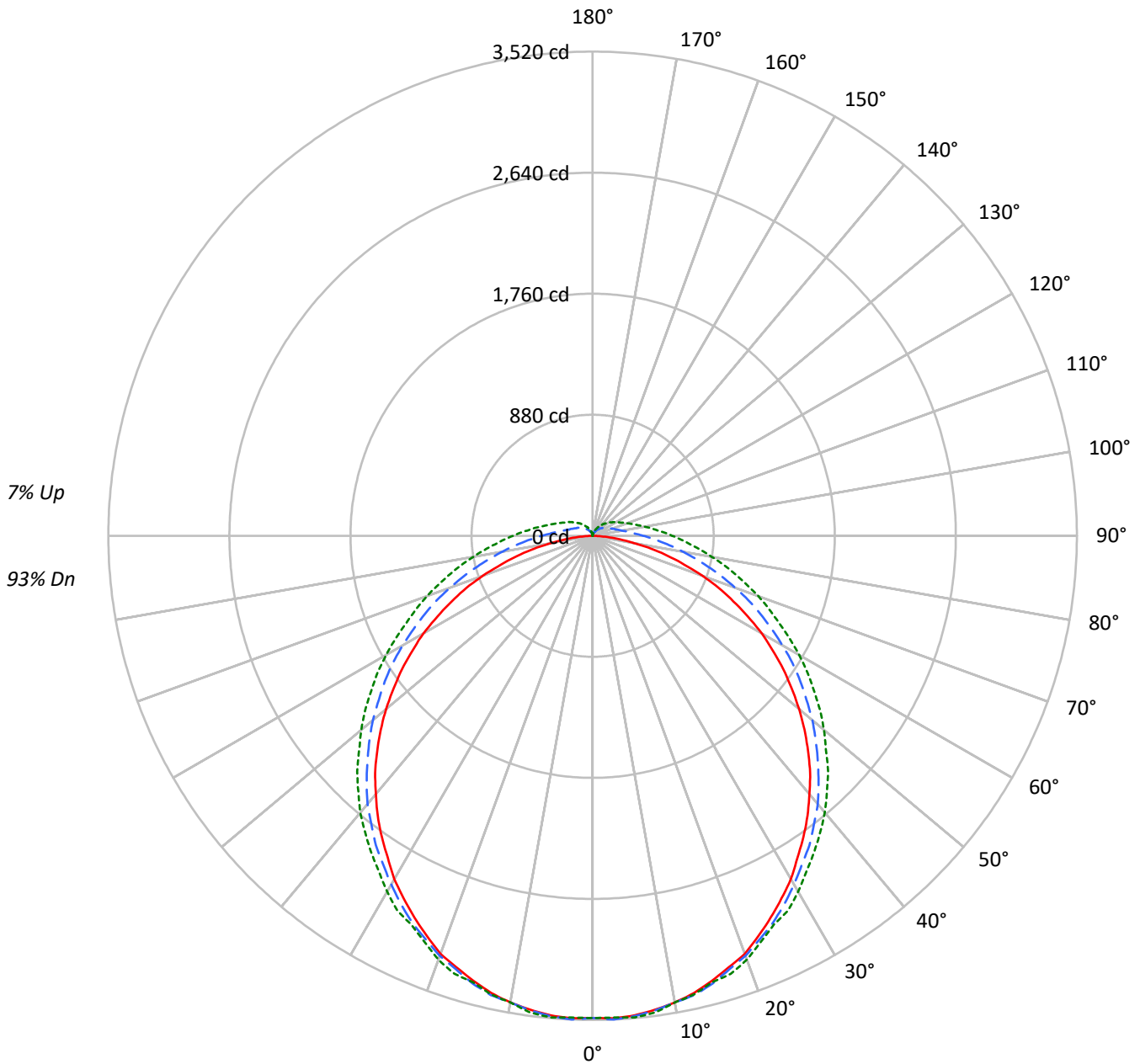
Lumens per Lamp: N/A
Luminaire Lumens: 11354.0 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 69
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	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°	11054	11054	11054
5°	11065	10910	10880
10°	11001	10664	10547
15°	10889	10453	10252
20°	10790	10179	10051
25°	10580	9895	9675
30°	10400	9578	9457
35°	10170	9300	9138
40°	9954	9002	8871
45°	9720	8634	8562
50°	9427	8290	8214
55°	9095	7918	7866
60°	8720	7497	7527
65°	8149	7072	7137
70°	7493	6593	6878
75°	6521	6115	6604
80°	5095	5746	6437
85°	3222	5554	6480



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.6	2.9
10°-20°	948.9	8.4
20°-30°	1427.8	12.6
30°-40°	1714.6	15.1
40°-50°	1785.4	15.7
50°-60°	1640.5	14.4
60°-70°	1317.5	11.6
70°-80°	898.3	7.9
80°-90°	510.6	4.5
90°-100°	285.9	2.5
100°-110°	181.0	1.6
110°-120°	123.5	1.1
120°-130°	84.9	0.7
130°-140°	54.0	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°	2709.3	23.9
0°-40°	4423.9	39.0
0°-60°	7849.8	69.1
0°-90°	10576.2	93.1
90°-120°	590.4	5.2
90°-150°	759.2	6.7
90°-180°	778.0	6.9
0°-180°	11354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3505	3505	3505	3505	3505	
5°	3500	3505	3505	3510	3515	332
15°	3350	3345	3370	3380	3360	945
25°	3063	3063	3104	3134	3119	1412
35°	2672	2687	2747	2787	2807	1672
45°	2215	2240	2315	2385	2421	1708
55°	1692	1743	1843	1928	1964	1511
65°	1130	1215	1346	1446	1492	1121
75°	568	688	869	1014	1070	601
85°	106	271	497	658	713	130
90°	5	161	367	517	578	6
95°	0	100	276	417	467	0
105°	0	65	176	276	316	0
115°	0	50	131	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°	3505.3	3505.3	3505.3	3505.3	3505.3
2.5°	3510.4	3505.3	3520.4	3515.4	3505.3
5°	3500.3	3505.3	3505.3	3510.4	3515.4
7.5°	3475.2	3465.2	3480.2	3495.3	3495.3
10°	3445.1	3435.0	3445.1	3455.1	3445.1
12.5°	3404.9	3384.8	3420.0	3420.0	3414.9
15°	3349.7	3344.6	3369.7	3379.8	3359.7
17.5°	3289.4	3304.5	3304.5	3324.5	3339.6
20°	3234.2	3224.1	3249.2	3264.3	3279.4
22.5°	3148.8	3143.8	3173.9	3199.0	3194.0
25°	3063.4	3063.4	3103.6	3133.7	3118.6
27.5°	2973.0	2973.0	3018.2	3048.3	3073.4
30°	2882.6	2892.7	2927.8	2968.0	2988.1
32.5°	2772.1	2797.2	2832.4	2887.6	2892.7
35°	2671.7	2686.8	2747.0	2787.2	2807.3
37.5°	2566.2	2571.3	2641.6	2696.8	2716.9
40°	2450.7	2460.8	2546.1	2596.4	2626.5
42.5°	2340.2	2350.3	2430.6	2495.9	2521.0
45°	2214.7	2239.8	2315.1	2385.4	2420.6
47.5°	2089.1	2124.3	2199.6	2280.0	2300.1
50°	1958.6	1993.7	2084.1	2149.4	2194.6
52.5°	1823.0	1868.2	1958.6	2043.9	2084.1
55°	1692.4	1742.6	1843.1	1928.4	1963.6
57.5°	1551.8	1612.1	1722.5	1812.9	1853.1
60°	1421.2	1471.4	1592.0	1687.4	1732.6
62.5°	1270.6	1335.8	1466.4	1571.9	1612.1
65°	1129.9	1215.3	1345.9	1446.3	1491.5
67.5°	994.4	1079.7	1225.4	1330.8	1386.1
70°	848.7	944.1	1099.8	1220.3	1280.6
72.5°	698.1	808.5	984.3	1119.9	1170.1
75°	567.5	688.0	868.8	1014.4	1069.7
77.5°	436.9	562.5	763.3	914.0	974.3
80°	306.3	447.0	667.9	823.6	878.8
82.5°	200.9	356.6	577.5	733.2	793.5
85°	105.5	271.2	497.2	657.9	713.1
87.5°	35.2	205.9	426.9	587.6	642.8
90°	5.0	160.7	366.6	517.3	577.5
92.5°	0.0	125.5	316.4	467.0	522.3
95°	0.0	100.4	276.2	416.8	467.0
97.5°	0.0	85.4	246.1	371.6	426.9
100°	0.0	75.3	215.9	336.5	381.7
102.5°	0.0	70.3	195.9	301.3	346.5
105°	0.0	65.3	175.8	276.2	316.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.2	140.6	215.9	246.1
115°	0.0	50.2	130.6	200.9	226.0
117.5°	0.0	45.2	125.5	185.8	210.9
120°	0.0	40.2	115.5	175.8	200.9
122.5°	0.0	40.2	105.5	165.7	185.8
125°	5.0	35.2	100.4	150.7	170.7
127.5°	5.0	35.2	95.4	140.6	160.7
130°	5.0	30.1	85.4	130.6	145.6
132.5°	5.0	30.1	80.4	120.5	135.6
135°	5.0	30.1	75.3	110.5	125.5
137.5°	5.0	25.1	65.3	100.4	115.5
140°	5.0	25.1	60.3	90.4	105.5
142.5°	5.0	25.1	55.2	80.4	95.4
145°	5.0	20.1	50.2	75.3	80.4
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	35.2	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	35.2
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	60.3	165.7	251.1	291.3
110°	0.0	55.2	150.7	231.0	266.2



(END OF REPORT)