

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: P709791

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709791
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-UNV-4000K-MID
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

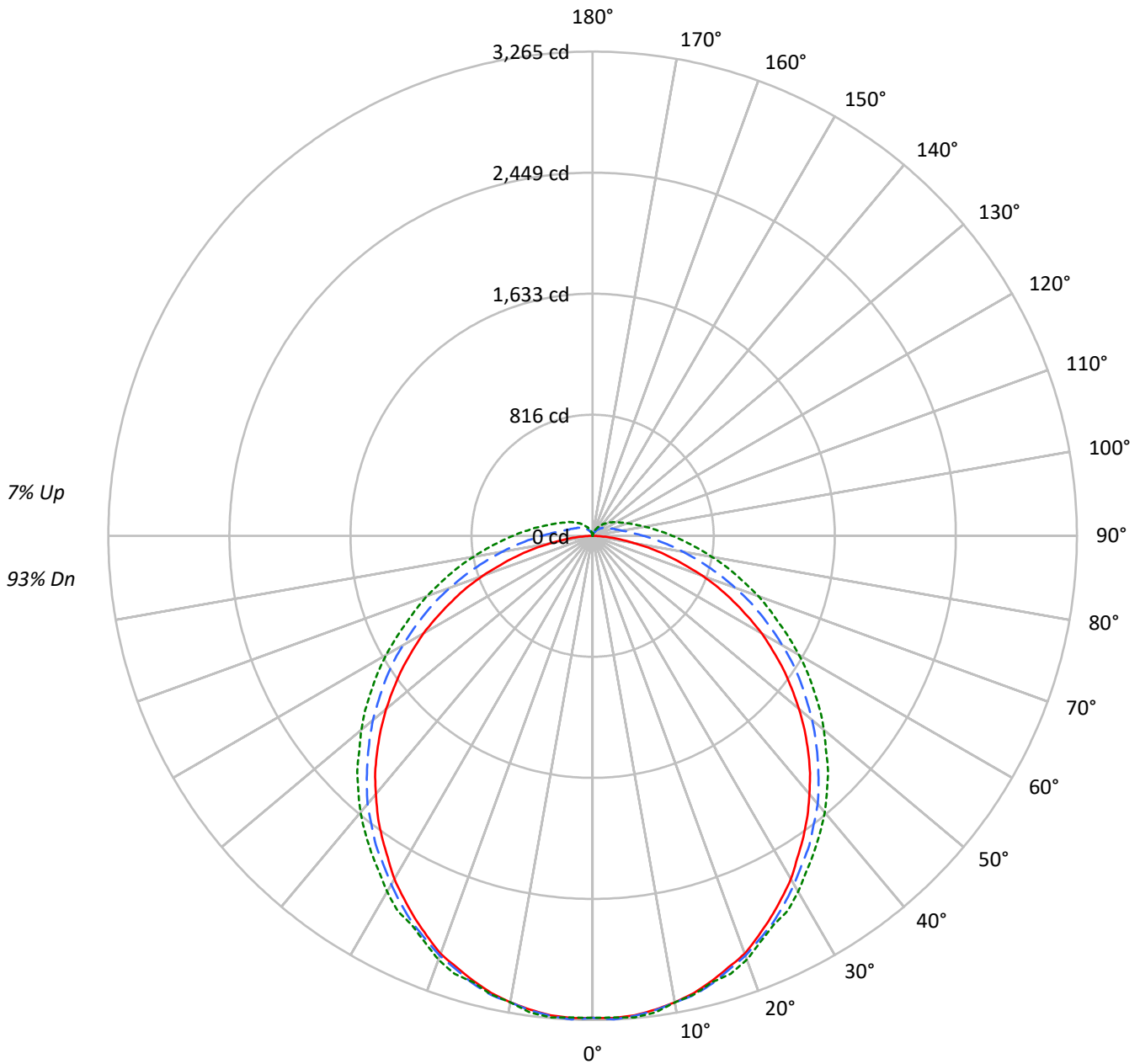
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10529.0 lumens
Efficiency: N/A
Efficacy: 148.3 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): 71
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				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°	10251	10251	10251
5°	10261	10117	10090
10°	10202	9889	9781
15°	10098	9694	9507
20°	10006	9439	9321
25°	9811	9176	8972
30°	9644	8882	8770
35°	9432	8624	8474
40°	9231	8348	8226
45°	9014	8006	7940
50°	8743	7687	7617
55°	8434	7343	7294
60°	8086	6952	6980
65°	7557	6558	6619
70°	6948	6114	6379
75°	6047	5671	6124
80°	4726	5329	5969
85°	2987	5151	6009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.5	2.9
10°-20°	880.0	8.4
20°-30°	1324.0	12.6
30°-40°	1590.0	15.1
40°-50°	1655.7	15.7
50°-60°	1521.3	14.4
60°-70°	1221.8	11.6
70°-80°	833.0	7.9
80°-90°	473.5	4.5
90°-100°	265.2	2.5
100°-110°	167.8	1.6
110°-120°	114.5	1.1
120°-130°	78.7	0.7
130°-140°	50.0	0.5
140°-150°	27.8	0.3
150°-160°	12.7	0.1
160°-170°	4.0	0.0
170°-180°	0.5	0.0
0°-30°	2512.4	23.9
0°-40°	4102.5	39.0
0°-60°	7279.5	69.1
0°-90°	9807.8	93.1
90°-120°	547.5	5.2
90°-150°	704.1	6.7
90°-180°	721.0	6.8
0°-180°	10529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3251	3251	3251	3251	3251	
5°	3246	3251	3251	3255	3260	308
15°	3106	3102	3125	3134	3116	877
25°	2841	2841	2878	2906	2892	1309
35°	2478	2492	2547	2585	2603	1550
45°	2054	2077	2147	2212	2245	1584
55°	1569	1616	1709	1788	1821	1401
65°	1048	1127	1248	1341	1383	1039
75°	526	638	806	941	992	557
85°	98	252	461	610	661	120
90°	5	149	340	480	536	6
95°	0	93	256	386	433	0
105°	0	60	163	256	293	0
115°	0	47	121	186	210	0
125°	5	33	93	140	158	3
135°	5	28	70	102	116	4
145°	5	19	47	70	74	3
155°	5	14	28	42	47	2
165°	5	9	14	19	23	1
175°	5	5	5	5	5	0
180°	5	5	5	5	5	



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CATALOG NUMBER: 8AWS-L3C3-UNV-4000K-MID

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3250.6	3250.6	3250.6	3250.6	3250.6
2.5°	3255.3	3250.6	3264.6	3260.0	3250.6
5°	3246.0	3250.6	3250.6	3255.3	3260.0
7.5°	3222.7	3213.4	3227.4	3241.3	3241.3
10°	3194.8	3185.4	3194.8	3204.1	3194.8
12.5°	3157.5	3138.9	3171.5	3171.5	3166.8
15°	3106.3	3101.6	3124.9	3134.2	3115.6
17.5°	3050.4	3064.4	3064.4	3083.0	3097.0
20°	2999.2	2989.8	3013.1	3027.1	3041.1
22.5°	2920.0	2915.3	2943.3	2966.6	2961.9
25°	2840.8	2840.8	2878.1	2906.0	2892.0
27.5°	2757.0	2757.0	2798.9	2826.8	2850.1
30°	2673.2	2682.5	2715.1	2752.3	2771.0
32.5°	2570.7	2594.0	2626.6	2677.8	2682.5
35°	2477.6	2491.5	2547.4	2584.7	2603.3
37.5°	2379.8	2384.4	2449.6	2500.8	2519.5
40°	2272.7	2282.0	2361.1	2407.7	2435.6
42.5°	2170.2	2179.5	2254.0	2314.6	2337.8
45°	2053.8	2077.1	2146.9	2212.1	2244.7
47.5°	1937.3	1969.9	2039.8	2114.3	2132.9
50°	1816.3	1848.9	1932.7	1993.2	2035.1
52.5°	1690.5	1732.4	1816.3	1895.4	1932.7
55°	1569.4	1616.0	1709.1	1788.3	1820.9
57.5°	1439.0	1494.9	1597.4	1681.2	1718.5
60°	1318.0	1364.5	1476.3	1564.8	1606.7
62.5°	1178.2	1238.8	1359.9	1457.7	1494.9
65°	1047.8	1127.0	1248.1	1341.2	1383.2
67.5°	922.1	1001.3	1136.3	1234.1	1285.4
70°	787.0	875.5	1019.9	1131.7	1187.6
72.5°	647.3	749.8	912.8	1038.5	1085.1
75°	526.2	638.0	805.7	940.7	992.0
77.5°	405.2	521.6	707.9	847.6	903.5
80°	284.1	414.5	619.4	763.8	815.0
82.5°	186.3	330.7	535.6	679.9	735.8
85°	97.8	251.5	461.1	610.1	661.3
87.5°	32.6	190.9	395.9	544.9	596.1
90°	4.7	149.0	340.0	479.7	535.6
92.5°	0.0	116.4	293.4	433.1	484.3
95°	0.0	93.1	256.1	386.5	433.1
97.5°	0.0	79.2	228.2	344.6	395.9
100°	0.0	69.9	200.3	312.0	353.9
102.5°	0.0	65.2	181.6	279.4	321.3
105°	0.0	60.5	163.0	256.1	293.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.6	130.4	200.3	228.2
115°	0.0	46.6	121.1	186.3	209.6
117.5°	0.0	41.9	116.4	172.3	195.6
120°	0.0	37.3	107.1	163.0	186.3
122.5°	0.0	37.3	97.8	153.7	172.3
125°	4.7	32.6	93.1	139.7	158.3
127.5°	4.7	32.6	88.5	130.4	149.0
130°	4.7	27.9	79.2	121.1	135.1
132.5°	4.7	27.9	74.5	111.8	125.7
135°	4.7	27.9	69.9	102.5	116.4
137.5°	4.7	23.3	60.5	93.1	107.1
140°	4.7	23.3	55.9	83.8	97.8
142.5°	4.7	23.3	51.2	74.5	88.5
145°	4.7	18.6	46.6	69.9	74.5
147.5°	4.7	18.6	41.9	60.5	69.9
150°	4.7	14.0	37.3	51.2	60.5
152.5°	4.7	14.0	32.6	46.6	51.2
155°	4.7	14.0	27.9	41.9	46.6
157.5°	4.7	14.0	23.3	37.3	37.3
160°	4.7	9.3	18.6	27.9	32.6
162.5°	4.7	9.3	18.6	23.3	27.9
165°	4.7	9.3	14.0	18.6	23.3
167.5°	4.7	4.7	9.3	14.0	18.6
170°	4.7	4.7	9.3	9.3	14.0
172.5°	4.7	4.7	4.7	4.7	9.3
175°	4.7	4.7	4.7	4.7	4.7
177.5°	4.7	4.7	4.7	0.0	0.0
180°	4.7	4.7	4.7	4.7	4.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	55.9	153.7	232.9	270.1
110°	0.0	51.2	139.7	214.2	246.8



(END OF REPORT)