

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: P709881

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709881
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: 8AWWS-L3C3-HO-UNV-4000K-MID
Description: 8foot, Wide Adapt Surface Wrap with, RD lens and MID lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

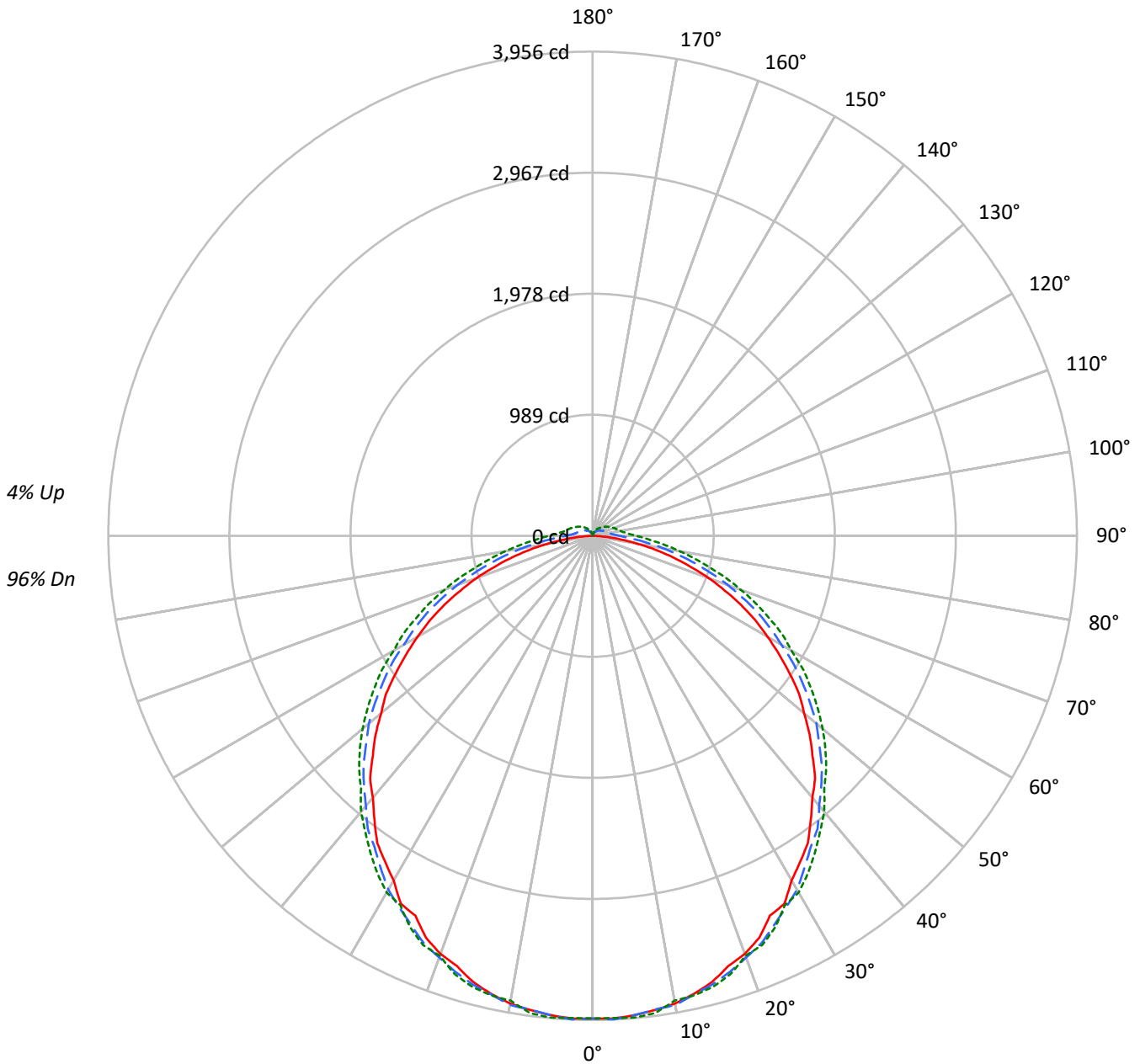
Lumens per Lamp: N/A
Luminaire Lumens: 12164.0 lumens
Efficiency: N/A
Efficacy: 173.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 7.42' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	81	81	81	79
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	67	67	67	65
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	57	57	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	49	49	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	42	42	42	40
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	37	37	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	33	33	33	31
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	29	29	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	26	26	26	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6893	6893	6893
5°	6885	6803	6811
10°	6859	6717	6606
15°	6787	6580	6541
20°	6705	6442	6320
25°	6536	6294	6211
30°	6476	6165	6075
35°	6438	5954	5905
40°	6252	5788	5730
45°	6136	5634	5534
50°	5968	5441	5360
55°	5801	5184	5138
60°	5546	4865	4838
65°	5270	4584	4569
70°	4849	4162	4204
75°	4208	3637	3755
80°	3277	3059	3352
85°	1886	2485	2991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.3	3.1
10°-20°	1069.8	8.8
20°-30°	1614.2	13.3
30°-40°	1948.2	16.0
40°-50°	2030.2	16.7
50°-60°	1860.9	15.3
60°-70°	1459.3	12.0
70°-80°	902.1	7.4
80°-90°	382.5	3.1
90°-100°	167.5	1.4
100°-110°	118.9	1.0
110°-120°	89.2	0.7
120°-130°	63.6	0.5
130°-140°	41.9	0.3
140°-150°	24.9	0.2
150°-160°	11.9	0.1
160°-170°	3.9	0.0
170°-180°	0.6	0.0
0°-30°	3058.4	25.1
0°-40°	5006.5	41.2
0°-60°	8897.6	73.1
0°-90°	11641.6	95.7
90°-120°	375.7	3.1
90°-150°	506.1	4.2
90°-180°	522.0	4.3
0°-180°	12164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3944	3944	3944	3944	3944	
5°	3932	3940	3932	3932	3952	374
15°	3774	3782	3793	3805	3813	1063
25°	3426	3485	3509	3513	3528	1594
35°	3066	3078	3105	3157	3164	1906
45°	2540	2571	2646	2686	2698	1961
55°	1966	2017	2092	2136	2180	1756
65°	1337	1388	1491	1551	1590	1319
75°	676	748	862	957	981	718
85°	119	214	352	455	498	151
90°	8	91	218	312	352	8
95°	0	59	158	237	273	0
105°	0	44	119	182	206	0
115°	0	36	95	146	166	0
125°	0	32	75	111	130	0
135°	0	24	59	83	99	0
145°	4	20	44	59	67	2
155°	4	12	28	40	44	2
165°	4	8	12	20	20	1
175°	4	4	4	4	8	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3943.7	3943.7	3943.7	3943.7	3943.7
2.5°	3947.7	3963.5	3955.6	3947.7	3943.7
5°	3931.9	3939.8	3931.9	3931.9	3951.7
7.5°	3908.1	3920.0	3904.2	3927.9	3931.9
10°	3880.5	3896.3	3892.3	3900.2	3856.7
12.5°	3833.0	3852.8	3836.9	3856.7	3844.9
15°	3773.7	3781.6	3793.4	3805.3	3813.2
17.5°	3686.6	3722.2	3734.1	3746.0	3753.9
20°	3635.2	3655.0	3666.8	3662.9	3651.0
22.5°	3556.1	3568.0	3603.6	3595.6	3619.4
25°	3425.6	3484.9	3508.6	3512.6	3528.4
27.5°	3390.0	3393.9	3421.6	3445.3	3401.8
30°	3251.5	3299.0	3338.5	3350.4	3366.2
32.5°	3156.6	3196.1	3219.9	3263.4	3271.3
35°	3065.6	3077.5	3105.2	3156.6	3164.5
37.5°	2927.2	2962.8	3018.1	3045.8	3049.8
40°	2792.7	2836.2	2879.7	2911.3	2943.0
42.5°	2689.8	2713.5	2765.0	2804.5	2800.6
45°	2539.5	2571.1	2646.3	2685.9	2697.7
47.5°	2405.0	2452.5	2507.9	2567.2	2579.1
50°	2254.7	2306.1	2385.2	2428.7	2452.5
52.5°	2128.1	2159.8	2238.9	2282.4	2318.0
55°	1965.9	2017.4	2092.5	2136.0	2179.5
57.5°	1807.7	1871.0	1946.2	2017.4	2041.1
60°	1649.5	1712.8	1780.0	1859.1	1875.0
62.5°	1499.2	1566.4	1637.6	1716.7	1748.4
65°	1337.0	1388.4	1491.3	1550.6	1590.2
67.5°	1166.9	1230.2	1329.1	1396.3	1443.8
70°	1008.7	1079.9	1174.8	1257.9	1285.6
72.5°	834.6	921.7	1012.6	1099.7	1139.2
75°	676.4	747.6	862.3	957.3	981.0
77.5°	526.1	593.3	716.0	810.9	846.5
80°	367.9	450.9	581.5	676.4	719.9
82.5°	233.4	320.4	454.9	557.7	605.2
85°	118.7	213.6	352.0	454.9	498.4
87.5°	39.6	134.5	269.0	375.8	419.3
90°	7.9	91.0	217.6	312.5	352.0
92.5°	0.0	67.2	182.0	269.0	304.6
95°	0.0	59.3	158.2	237.3	272.9
97.5°	0.0	55.4	146.4	217.6	245.2
100°	0.0	51.4	134.5	201.7	229.4
102.5°	0.0	47.5	126.6	189.9	217.6
105°	0.0	43.5	118.7	182.0	205.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	39.6	102.8	150.3	174.0
115°	0.0	35.6	94.9	146.4	166.1
117.5°	0.0	35.6	91.0	134.5	154.3
120°	0.0	31.6	83.1	126.6	146.4
122.5°	0.0	31.6	79.1	122.6	138.4
125°	0.0	31.6	75.2	110.8	130.5
127.5°	0.0	27.7	71.2	106.8	118.7
130°	0.0	27.7	67.2	98.9	110.8
132.5°	0.0	23.7	63.3	91.0	102.8
135°	0.0	23.7	59.3	83.1	98.9
137.5°	0.0	23.7	55.4	79.1	87.0
140°	0.0	19.8	51.4	71.2	83.1
142.5°	4.0	19.8	43.5	67.2	75.2
145°	4.0	19.8	43.5	59.3	67.2
147.5°	4.0	15.8	39.6	55.4	63.3
150°	4.0	15.8	35.6	47.5	55.4
152.5°	4.0	11.9	31.6	43.5	47.5
155°	4.0	11.9	27.7	39.6	43.5
157.5°	4.0	11.9	23.7	31.6	35.6
160°	4.0	7.9	19.8	27.7	31.6
162.5°	4.0	7.9	15.8	23.7	27.7
165°	4.0	7.9	11.9	19.8	19.8
167.5°	4.0	7.9	11.9	15.8	15.8
170°	4.0	4.0	7.9	11.9	11.9
172.5°	4.0	4.0	7.9	7.9	7.9
175°	4.0	4.0	4.0	4.0	7.9
177.5°	4.0	4.0	4.0	4.0	4.0
180°	4.0	4.0	4.0	4.0	4.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	43.5	114.7	170.1	193.8
110°	0.0	39.6	106.8	162.2	185.9



(END OF REPORT)