

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: P709789

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

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709789
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-HI
Description: 8foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

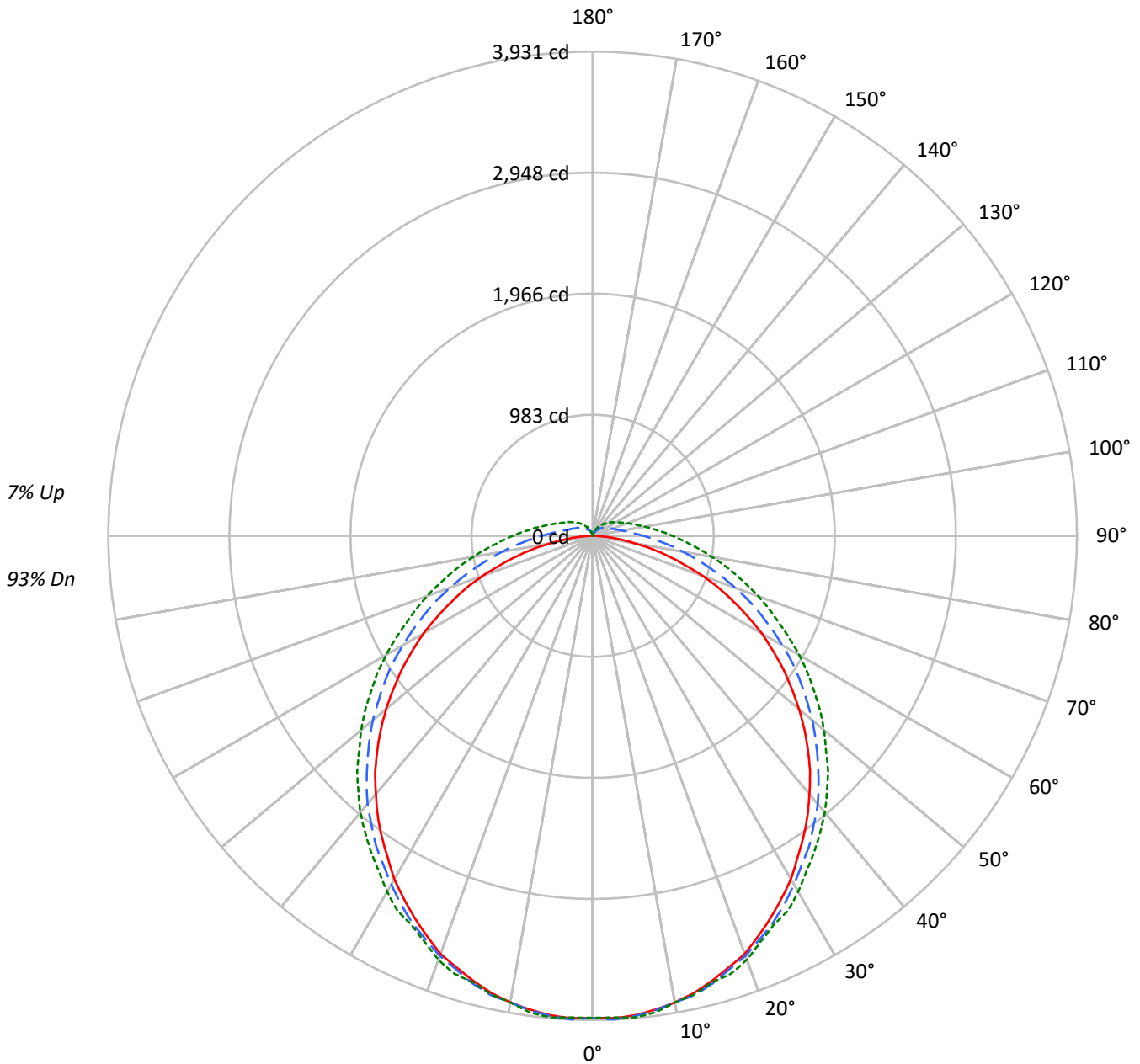
Lumens per Lamp: N/A
Luminaire Lumens: 12679.0 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')
CIE Type: Direct

Input Watts (W): 83
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°	12345	12345	12345
5°	12356	12183	12150
10°	12284	11908	11778
15°	12160	11673	11449
20°	12050	11366	11224
25°	11814	11050	10804
30°	11613	10696	10560
35°	11357	10385	10205
40°	11115	10053	9906
45°	10854	9641	9561
50°	10527	9257	9172
55°	10156	8842	8783
60°	9737	8372	8405
65°	9100	7898	7970
70°	8367	7362	7681
75°	7282	6829	7375
80°	5691	6417	7188
85°	3597	6202	7236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.4	2.9
10°-20°	1059.6	8.4
20°-30°	1594.4	12.6
30°-40°	1914.7	15.1
40°-50°	1993.8	15.7
50°-60°	1832.0	14.4
60°-70°	1471.3	11.6
70°-80°	1003.1	7.9
80°-90°	570.1	4.5
90°-100°	319.3	2.5
100°-110°	202.1	1.6
110°-120°	137.9	1.1
120°-130°	94.8	0.7
130°-140°	60.3	0.5
140°-150°	33.5	0.3
150°-160°	15.2	0.1
160°-170°	4.8	0.0
170°-180°	0.6	0.0
0°-30°	3025.5	23.9
0°-40°	4940.2	39.0
0°-60°	8765.9	69.1
0°-90°	11810.4	93.1
90°-120°	659.3	5.2
90°-150°	847.8	6.7
90°-180°	869.0	6.9
0°-180°	12679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3914	3914	3914	3914	3914	
5°	3909	3914	3914	3920	3926	371
15°	3741	3735	3763	3774	3752	1056
25°	3421	3421	3466	3499	3483	1577
35°	2984	3000	3068	3112	3135	1867
45°	2473	2501	2585	2664	2703	1907
55°	1890	1946	2058	2154	2193	1687
65°	1262	1357	1503	1615	1666	1251
75°	634	768	970	1133	1194	671
85°	118	303	555	735	796	145
90°	6	180	409	578	645	7
95°	0	112	308	466	522	0
105°	0	73	196	308	353	0
115°	0	56	146	224	252	0
125°	6	39	112	168	191	3
135°	6	34	84	123	140	4
145°	6	22	56	84	90	4
155°	6	17	34	50	56	3
165°	6	11	17	22	28	2
175°	6	6	6	6	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3914.4	3914.4	3914.4	3914.4	3914.4
2.5°	3920.0	3914.4	3931.2	3925.6	3914.4
5°	3908.8	3914.4	3914.4	3920.0	3925.6
7.5°	3880.8	3869.5	3886.4	3903.2	3903.2
10°	3847.1	3835.9	3847.1	3858.3	3847.1
12.5°	3802.2	3779.8	3819.1	3819.1	3813.5
15°	3740.6	3735.0	3763.0	3774.2	3751.8
17.5°	3673.3	3690.1	3690.1	3712.5	3729.3
20°	3611.6	3600.4	3628.4	3645.2	3662.0
22.5°	3516.2	3510.6	3544.3	3572.3	3566.7
25°	3420.9	3420.9	3465.8	3499.4	3482.6
27.5°	3320.0	3320.0	3370.4	3404.1	3432.1
30°	3219.0	3230.2	3269.5	3314.3	3336.8
32.5°	3095.6	3123.7	3162.9	3224.6	3230.2
35°	2983.5	3000.3	3067.6	3112.5	3134.9
37.5°	2865.7	2871.3	2949.8	3011.5	3033.9
40°	2736.7	2747.9	2843.3	2899.4	2933.0
42.5°	2613.3	2624.6	2714.3	2787.2	2815.2
45°	2473.1	2501.2	2585.3	2663.8	2703.1
47.5°	2332.9	2372.2	2456.3	2546.0	2568.5
50°	2187.1	2226.4	2327.3	2400.2	2450.7
52.5°	2035.7	2086.2	2187.1	2282.5	2327.3
55°	1889.9	1946.0	2058.1	2153.5	2192.7
57.5°	1732.9	1800.2	1923.6	2024.5	2069.4
60°	1587.1	1643.2	1777.7	1884.3	1934.8
62.5°	1418.8	1491.7	1637.5	1755.3	1800.2
65°	1261.8	1357.1	1503.0	1615.1	1665.6
67.5°	1110.4	1205.7	1368.4	1486.1	1547.8
70°	947.8	1054.3	1228.2	1362.8	1430.0
72.5°	779.5	902.9	1099.2	1250.6	1306.7
75°	633.7	768.3	970.2	1132.8	1194.5
77.5°	487.9	628.1	852.4	1020.7	1088.0
80°	342.1	499.1	745.9	919.7	981.4
82.5°	224.3	398.2	644.9	818.8	886.1
85°	117.8	302.8	555.2	734.7	796.3
87.5°	39.3	229.9	476.7	656.1	717.8
90°	5.6	179.5	409.4	577.6	644.9
92.5°	0.0	140.2	353.3	521.5	583.2
95°	0.0	112.2	308.4	465.5	521.5
97.5°	0.0	95.3	274.8	415.0	476.7
100°	0.0	84.1	241.1	375.7	426.2
102.5°	0.0	78.5	218.7	336.5	387.0
105°	0.0	72.9	196.3	308.4	353.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	56.1	157.0	241.1	274.8
115°	0.0	56.1	145.8	224.3	252.4
117.5°	0.0	50.5	140.2	207.5	235.5
120°	0.0	44.9	129.0	196.3	224.3
122.5°	0.0	44.9	117.8	185.1	207.5
125°	5.6	39.3	112.2	168.2	190.7
127.5°	5.6	39.3	106.6	157.0	179.5
130°	5.6	33.6	95.3	145.8	162.6
132.5°	5.6	33.6	89.7	134.6	151.4
135°	5.6	33.6	84.1	123.4	140.2
137.5°	5.6	28.0	72.9	112.2	129.0
140°	5.6	28.0	67.3	100.9	117.8
142.5°	5.6	28.0	61.7	89.7	106.6
145°	5.6	22.4	56.1	84.1	89.7
147.5°	5.6	22.4	50.5	72.9	84.1
150°	5.6	16.8	44.9	61.7	72.9
152.5°	5.6	16.8	39.3	56.1	61.7
155°	5.6	16.8	33.6	50.5	56.1
157.5°	5.6	16.8	28.0	44.9	44.9
160°	5.6	11.2	22.4	33.6	39.3
162.5°	5.6	11.2	22.4	28.0	33.6
165°	5.6	11.2	16.8	22.4	28.0
167.5°	5.6	5.6	11.2	16.8	22.4
170°	5.6	5.6	11.2	11.2	16.8
172.5°	5.6	5.6	5.6	5.6	11.2
175°	5.6	5.6	5.6	5.6	5.6
177.5°	5.6	5.6	5.6	0.0	0.0
180°	5.6	5.6	5.6	5.6	5.6



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	67.3	<i>185.1</i>	280.4	325.3
110°	0.0	61.7	<i>168.2</i>	258.0	297.2



(END OF REPORT)