

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: P709828

Luminaire Tested: **2AWWS-L3C3-SQR-UNV-5000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2AWWS-L3C3-SQR-UNV-5000K-HI
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and HI lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

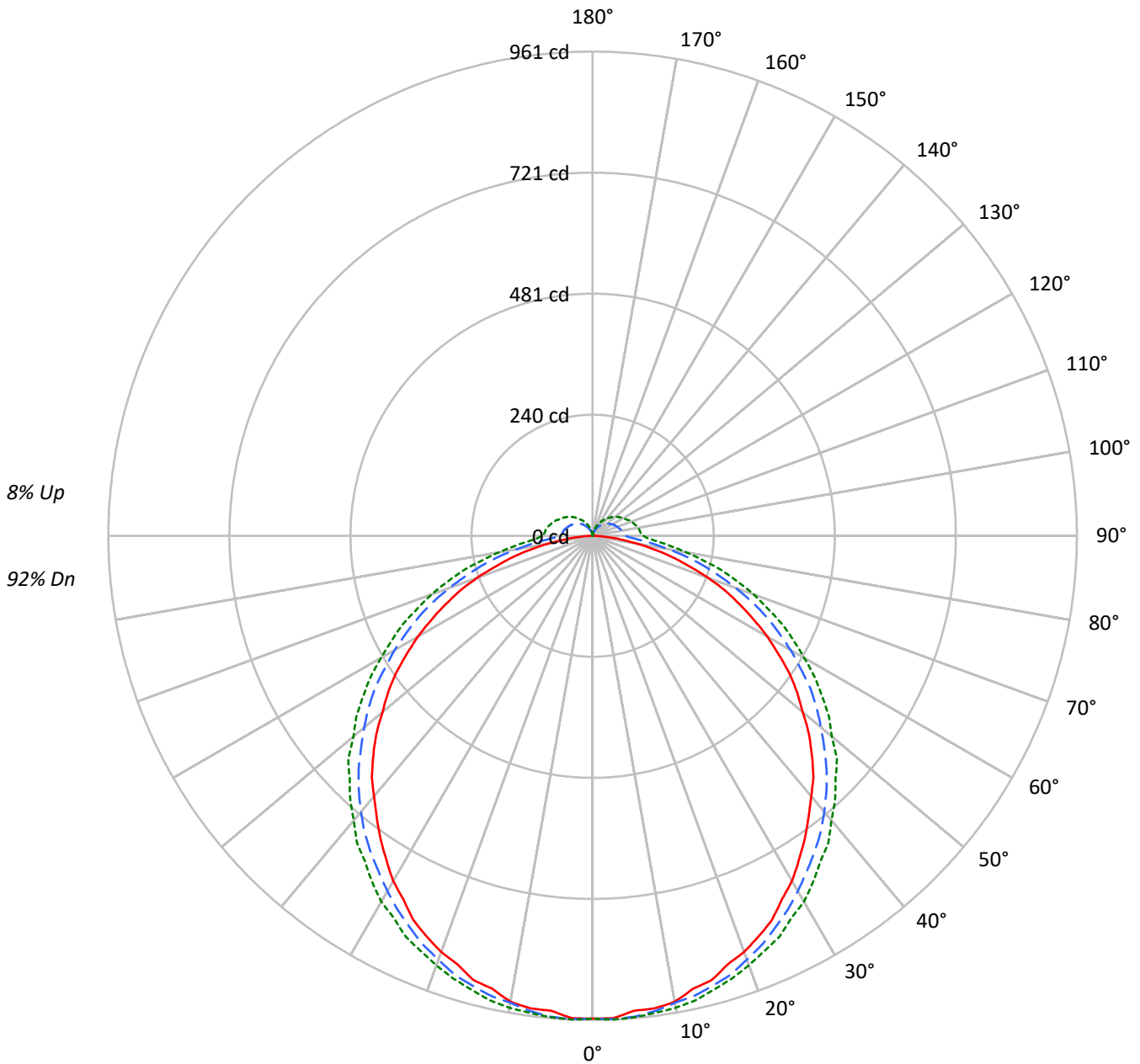
Lumens per Lamp: N/A
Luminaire Lumens: 3140.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 27
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	95	95	95	95	95	95	92
1	106	101	97	92	103	98	94	90	92	89	86	87	85	82	82	80	78	82	80	78	76
2	96	88	81	75	93	85	79	73	80	75	70	76	71	68	72	68	65	72	68	65	62
3	88	77	68	62	84	75	67	61	70	64	59	67	61	57	63	59	55	63	59	55	52
4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	47	56	51	47	44
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	50	45	40	50	45	40	38
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	46	40	35	33
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	42	36	31	29
8	58	45	36	30	56	44	36	30	42	34	29	40	33	29	38	32	28	38	32	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	30	25	35	30	25	23
10	51	38	30	25	49	37	29	24	35	29	24	34	28	23	33	27	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7267	7267	7267
5°	7140	7160	7174
10°	7107	6983	7070
15°	6982	6859	6938
20°	6845	6698	6812
25°	6730	6523	6705
30°	6553	6344	6567
35°	6353	6173	6383
40°	6165	5995	6226
45°	6003	5795	6069
50°	5739	5552	5874
55°	5518	5329	5688
60°	5179	5011	5426
65°	4758	4668	5178
70°	4238	4203	4821
75°	3503	3676	4408
80°	2444	2986	3798
85°	1230	2327	3352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	2.9
10°-20°	260.6	8.3
20°-30°	396.1	12.6
30°-40°	479.8	15.3
40°-50°	504.5	16.1
50°-60°	466.4	14.9
60°-70°	371.2	11.8
70°-80°	233.6	7.4
80°-90°	101.2	3.2
90°-100°	60.0	1.9
100°-110°	52.8	1.7
110°-120°	43.7	1.4
120°-130°	33.4	1.1
130°-140°	23.4	0.7
140°-150°	13.8	0.4
150°-160°	6.5	0.2
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	747.6	23.8
0°-40°	1227.4	39.1
0°-60°	2198.3	70.0
0°-90°	2904.3	92.5
90°-120°	156.5	5.0
90°-150°	227.1	7.2
90°-180°	236.0	7.5
0°-180°	3140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	946	954	958	957	959	90
15°	913	912	924	930	932	257
25°	842	846	858	874	878	387
35°	734	749	767	786	788	459
45°	615	633	657	676	682	474
55°	477	500	527	550	556	424
65°	322	349	380	405	415	319
75°	164	194	226	252	265	173
85°	30	57	92	119	129	37
90°	1	29	64	90	100	2
95°	0	26	60	86	94	0
105°	0	24	55	77	86	0
115°	0	21	48	68	75	0
125°	1	17	41	58	64	1
135°	1	14	33	46	52	1
145°	0	9	24	34	38	0
155°	1	5	15	22	25	0
165°	1	2	6	10	12	0
175°	1	1	1	2	2	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.2	958.2	958.2	958.2	958.2
2.5°	958.2	951.2	960.2	959.2	961.2
5°	946.1	954.2	958.2	957.2	959.2
7.5°	946.1	946.1	951.2	954.2	955.2
10°	939.1	943.1	941.1	946.1	951.2
12.5°	921.0	932.1	935.1	946.1	944.1
15°	913.0	911.9	924.0	930.0	932.1
17.5°	891.8	899.9	913.0	919.0	921.0
20°	878.8	886.8	894.9	907.9	906.9
22.5°	860.7	867.7	878.8	890.8	891.8
25°	841.6	845.6	857.7	873.7	877.8
27.5°	813.4	826.5	837.5	858.7	854.6
30°	791.3	800.3	814.4	834.5	838.6
32.5°	762.1	780.2	790.3	808.4	814.4
35°	734.0	749.1	767.2	786.3	788.3
37.5°	703.8	724.9	743.0	763.1	768.2
40°	674.7	692.8	714.9	733.0	737.0
42.5°	648.5	665.6	686.7	709.9	711.9
45°	615.3	633.4	656.6	675.7	681.7
47.5°	582.2	603.3	623.4	646.5	657.6
50°	544.0	568.1	591.2	614.3	619.4
52.5°	511.8	531.9	560.0	583.2	591.2
55°	476.6	499.7	526.9	550.0	556.0
57.5°	437.4	459.5	488.7	513.8	522.8
60°	400.2	424.3	453.5	478.6	484.6
62.5°	360.0	387.1	416.3	442.4	449.4
65°	321.7	348.9	380.1	405.2	415.3
67.5°	284.5	310.7	341.9	367.0	375.0
70°	243.3	269.5	301.6	329.8	339.8
72.5°	201.1	229.2	262.4	292.6	300.6
75°	163.9	194.1	226.2	252.4	265.4
77.5°	125.7	151.8	189.0	214.2	224.2
80°	87.5	117.6	151.8	180.0	188.0
82.5°	56.3	85.5	120.7	145.8	155.8
85°	30.2	57.3	92.5	118.6	128.7
87.5°	10.1	38.2	73.4	98.5	109.6
90°	1.0	29.2	64.3	89.5	99.5
92.5°	0.0	27.1	61.3	85.5	96.5
95°	0.0	26.1	60.3	85.5	94.5
97.5°	0.0	26.1	59.3	84.5	93.5
100°	0.0	25.1	58.3	81.4	91.5
102.5°	0.0	24.1	57.3	80.4	89.5
105°	0.0	24.1	55.3	77.4	86.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.1	50.3	71.4	79.4
115°	0.0	21.1	48.3	68.4	75.4
117.5°	0.0	20.1	47.3	66.4	72.4
120°	0.0	19.1	45.2	63.3	70.4
122.5°	0.0	18.1	43.2	60.3	67.4
125°	1.0	17.1	41.2	58.3	64.3
127.5°	1.0	16.1	39.2	55.3	61.3
130°	1.0	16.1	37.2	52.3	58.3
132.5°	1.0	15.1	35.2	49.3	55.3
135°	1.0	14.1	33.2	46.3	52.3
137.5°	1.0	13.1	31.2	44.2	48.3
140°	0.0	12.1	29.2	40.2	45.2
142.5°	1.0	10.1	26.1	38.2	41.2
145°	0.0	9.0	24.1	34.2	38.2
147.5°	1.0	8.0	22.1	31.2	35.2
150°	1.0	7.0	20.1	28.2	32.2
152.5°	1.0	6.0	17.1	25.1	28.2
155°	1.0	5.0	15.1	22.1	25.1
157.5°	1.0	4.0	12.1	19.1	21.1
160°	1.0	4.0	10.1	16.1	18.1
162.5°	1.0	3.0	8.0	13.1	15.1
165°	1.0	2.0	6.0	10.1	12.1
167.5°	1.0	2.0	4.0	8.0	9.0
170°	1.0	2.0	3.0	5.0	6.0
172.5°	1.0	1.0	2.0	3.0	4.0
175°	1.0	1.0	1.0	2.0	2.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	23.1	53.3	74.4	84.5
110°	0.0	22.1	52.3	72.4	81.4



(END OF REPORT)