

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: LUMIERE

Report Number: P220307

Luminaire Tested: **9002-W1-[RW, RI]-LED3590-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED3590-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 406.9 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

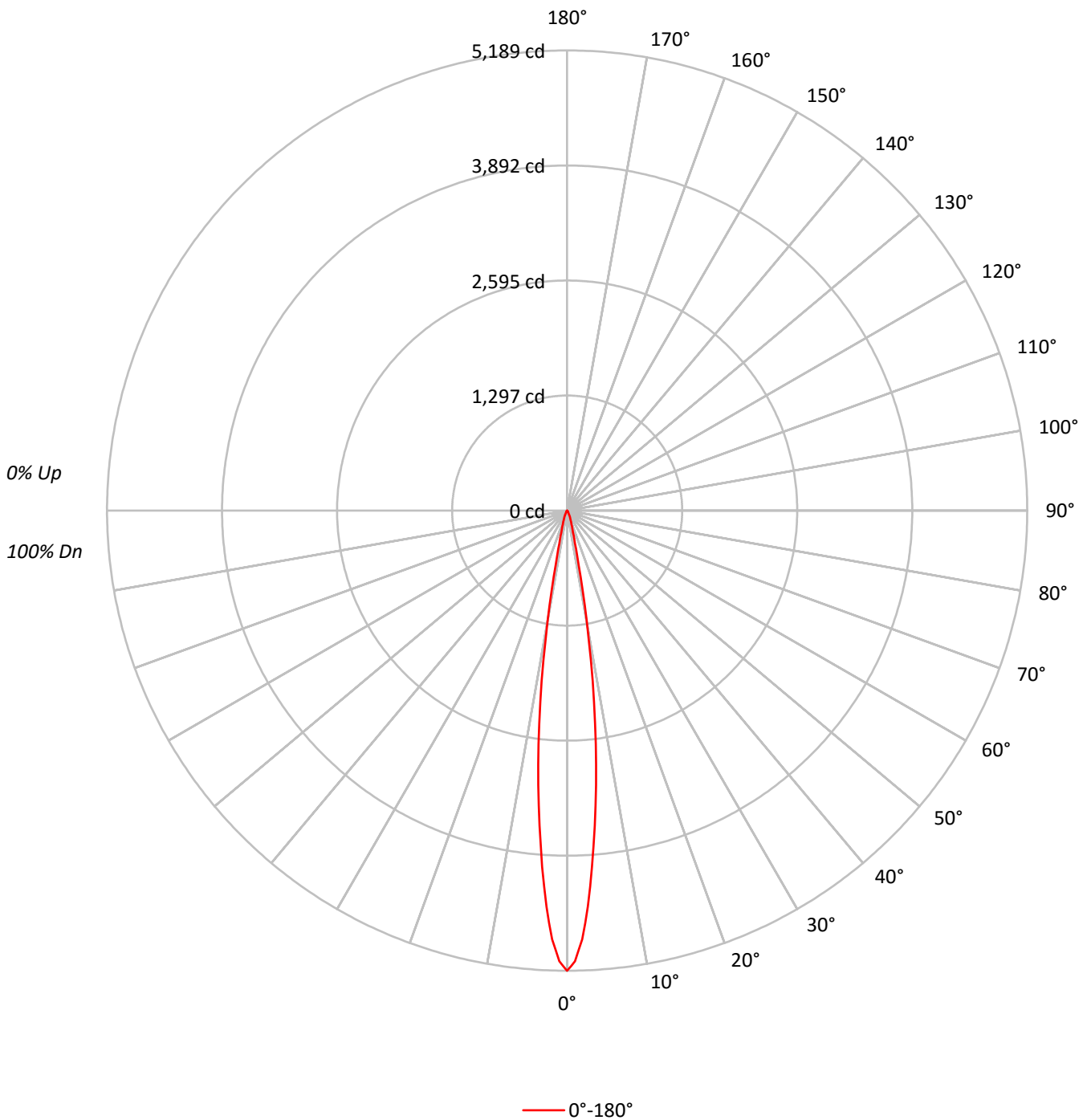
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	97	95	94
4	107	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93
5	105	100	97	95	104	100	97	94	98	95	93	97	94	93	95	93	92	91
6	103	98	95	92	102	98	94	92	96	94	92	95	93	91	94	92	91	90
7	101	96	93	91	100	96	93	90	95	92	90	94	91	90	93	91	89	88
8	100	95	91	89	99	94	91	89	93	91	89	92	90	88	92	90	88	87
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86
10	97	92	89	87	96	91	88	86	91	88	86	90	88	86	90	87	86	85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2560294
5°	1767746
10°	637110
15°	129995
20°	61588
25°	30268
30°	10881
35°	5782
40°	3929
45°	3628
50°	3301
55°	3011
60°	2566
65°	1985
70°	2452
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	65.5
10°-20°	97.1	23.9
20°-30°	26.6	6.5
30°-40°	6.5	1.6
40°-50°	3.8	0.9
50°-60°	3.1	0.8
60°-70°	1.8	0.4
70°-80°	1.1	0.3
80°-90°	0.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	390.2	95.9
0°-40°	396.7	97.5
0°-60°	403.7	99.2
0°-90°	406.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	406.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5189	
5°	3569	267
15°	254	97
25°	56	27
35°	10	6
45°	5	4
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5189.3
1°	5082.5
2°	4837.5
3°	4471.8
4°	4028.8
5°	3569.3
6°	3112.4
7°	2652.0
8°	2179.4
9°	1710.4
10°	1271.7
11°	899.1
12°	624.6
13°	440.4
14°	326.6
15°	254.5
17.5°	162.4
20°	117.3
22.5°	86.0
25°	55.6
27.5°	32.1
30°	19.1
32.5°	12.2
35°	9.6
37.5°	7.8
40°	6.1
42.5°	5.2
45°	5.2
47.5°	4.3
50°	4.3
52.5°	4.3
55°	3.5
57.5°	2.6
60°	2.6
62.5°	1.7
65°	1.7
67.5°	1.7
70°	1.7
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)