

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: P220339

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29413)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

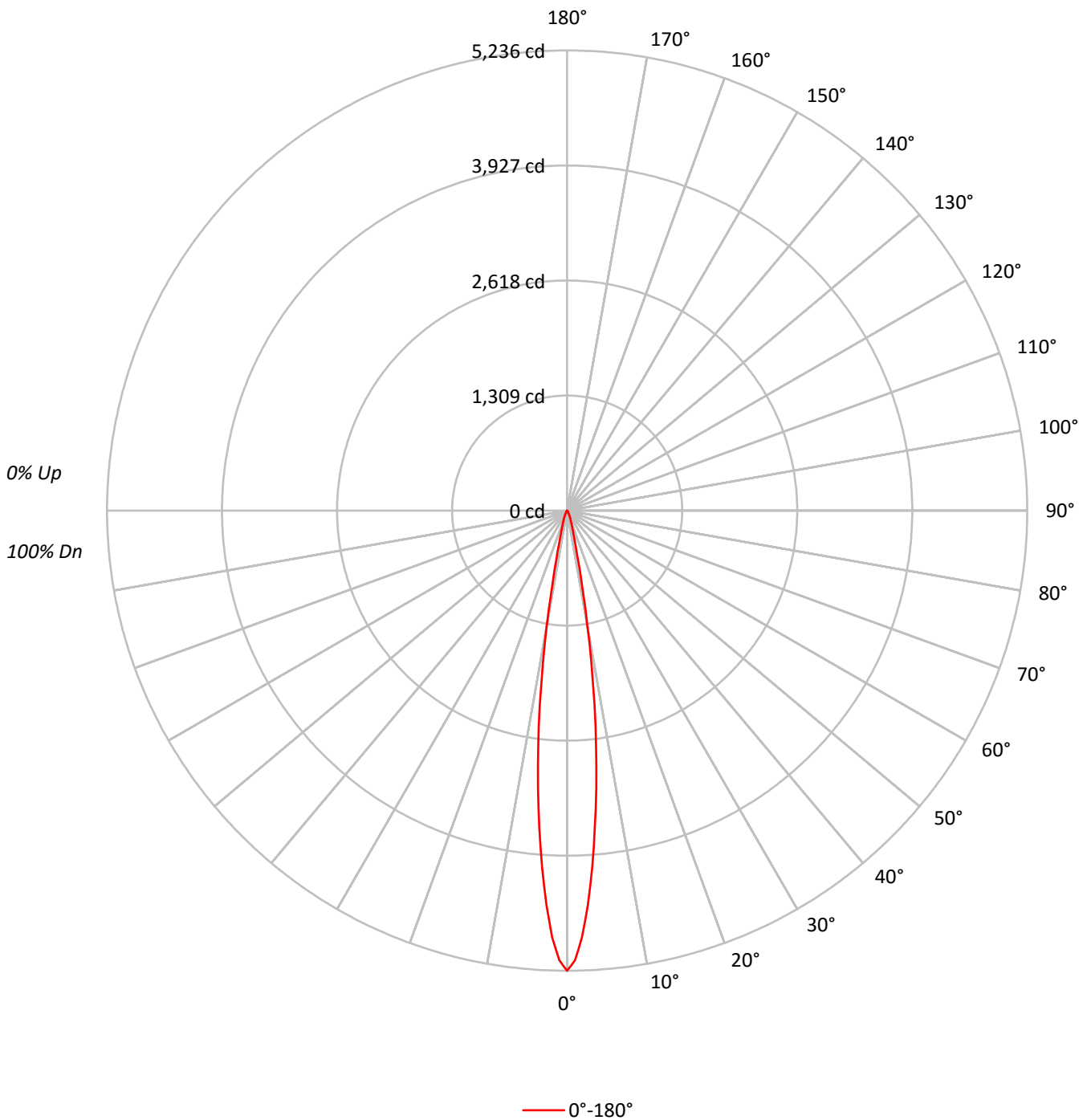
Lumens per Lamp: N/A
Luminaire Lumens: 410.7 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
	1	116	114	113	111	114	112	111	109	108	107	106	104	104	103	101	100	100	98	98
	2	113	110	108	106	111	108	106	104	105	104	102	103	101	100	100	99	98	97	97
	3	110	107	104	102	109	105	103	101	103	101	99	101	99	98	99	97	96	95	95
	4	108	104	101	98	107	103	100	98	101	99	97	99	97	96	98	96	95	94	94
	5	106	101	98	96	105	101	98	96	99	97	95	98	96	94	96	95	93	92	92
	6	104	99	96	94	103	99	96	94	97	95	93	96	94	92	95	93	92	91	91
	7	102	97	94	92	101	97	94	92	96	93	91	95	93	91	94	92	91	90	90
	8	101	96	93	91	100	95	92	90	95	92	90	94	91	90	93	91	89	89	89
	9	99	94	91	89	98	94	91	89	93	91	89	93	90	89	92	90	88	88	88
	10	98	93	90	88	97	93	90	88	92	89	88	91	89	88	91	89	87	87	87

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2583483
5°	1793995
10°	666268
15°	142866
20°	63845
25°	31193
30°	10369
35°	4698
40°	2769
45°	1814
50°	1305
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.2	66.0
10°-20°	104.3	25.4
20°-30°	27.3	6.7
30°-40°	5.6	1.4
40°-50°	1.9	0.5
50°-60°	0.4	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	402.8	98.1
0°-40°	408.4	99.4
0°-60°	410.7	100.0
0°-90°	410.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	410.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5236	
5°	3622	271
15°	280	104
25°	57	27
35°	8	6
45°	3	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5236.3
1°	5116.4
2°	4859.3
3°	4497.0
4°	4074.9
5°	3622.3
6°	3169.7
7°	2704.1
8°	2228.1
9°	1761.6
10°	1329.9
11°	960.7
12°	676.7
13°	481.2
14°	357.9
15°	279.7
17.5°	172.0
20°	121.6
22.5°	88.6
25°	57.3
27.5°	33.0
30°	18.2
32.5°	11.3
35°	7.8
37.5°	6.1
40°	4.3
42.5°	2.6
45°	2.6
47.5°	1.7
50°	1.7
52.5°	0.9
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)