

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: P220337

Luminaire Tested: **9002-W1-[RW, RI]-LED2790-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220337  
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]-LED2790-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 358.1 lumens  
Efficiency: N/A  
Efficacy: 35.8 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

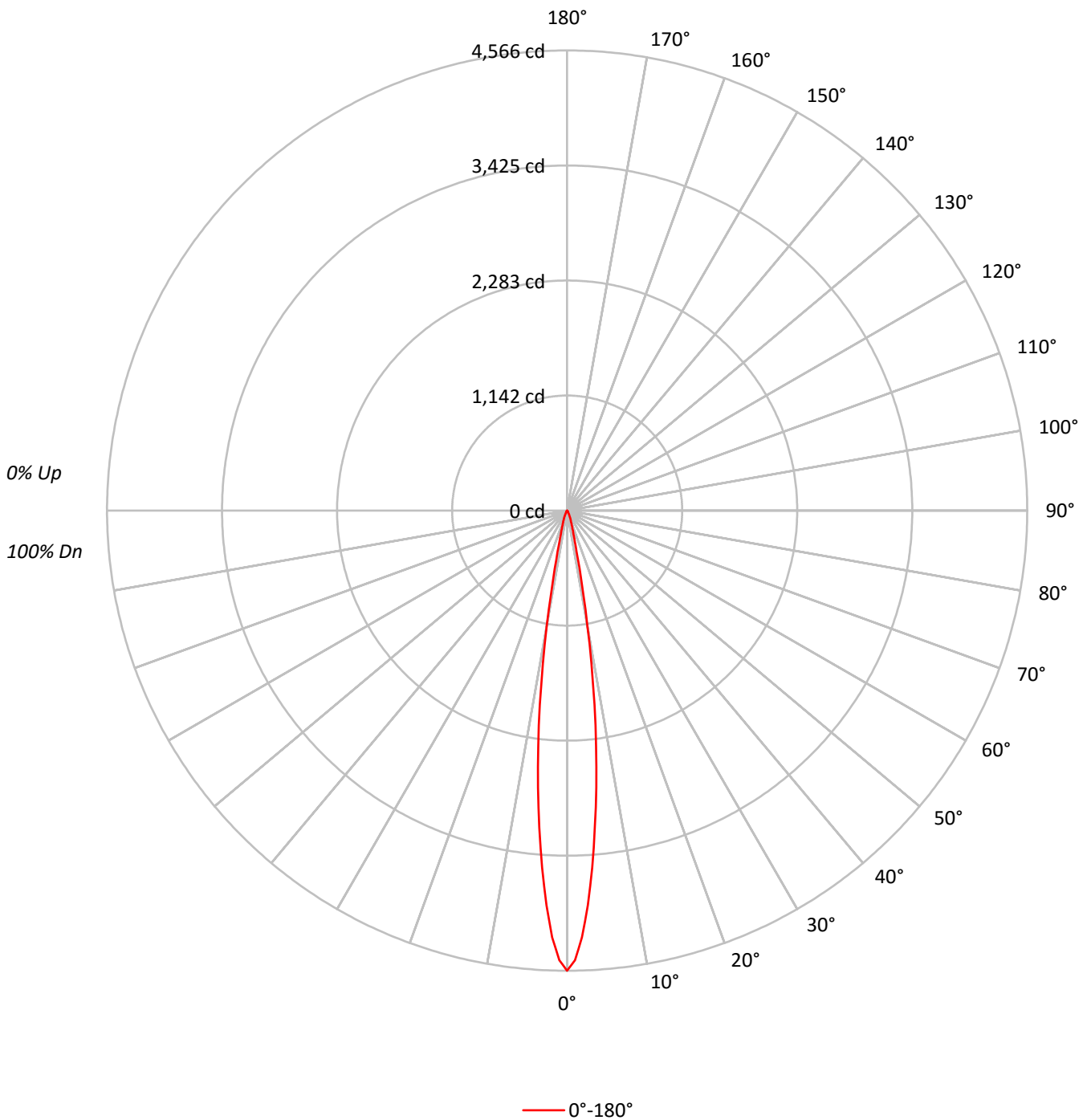
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2252722
5°	1564292
10°	580949
15°	124580
20°	55655
25°	27219
30°	9058
35°	4096
40°	2447
45°	1605
50°	1151
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°	236.5	66.0
10°-20°	90.9	25.4
20°-30°	23.9	6.7
30°-40°	4.9	1.4
40°-50°	1.7	0.5
50°-60°	0.3	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°	351.3	98.1
0°-40°	356.1	99.4
0°-60°	358.1	100.0
0°-90°	358.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	358.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4566	
5°	3158	236
15°	244	91
25°	50	24
35°	7	5
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4565.9
1°	4461.3
2°	4237.1
3°	3921.3
4°	3553.2
5°	3158.5
6°	2763.9
7°	2357.9
8°	1942.8
9°	1536.1
10°	1159.6
11°	837.7
12°	590.0
13°	419.6
14°	312.1
15°	243.9
17.5°	150.0
20°	106.0
22.5°	77.3
25°	50.0
27.5°	28.8
30°	15.9
32.5°	9.8
35°	6.8
37.5°	5.3
40°	3.8
42.5°	2.3
45°	2.3
47.5°	1.5
50°	1.5
52.5°	0.8
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)