

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: P220308

Luminaire Tested: **9002-W1-[RW, RI]-LED5080-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220308  
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]-LED5080-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 511.5 lumens  
Efficiency: N/A  
Efficacy: 51.1 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

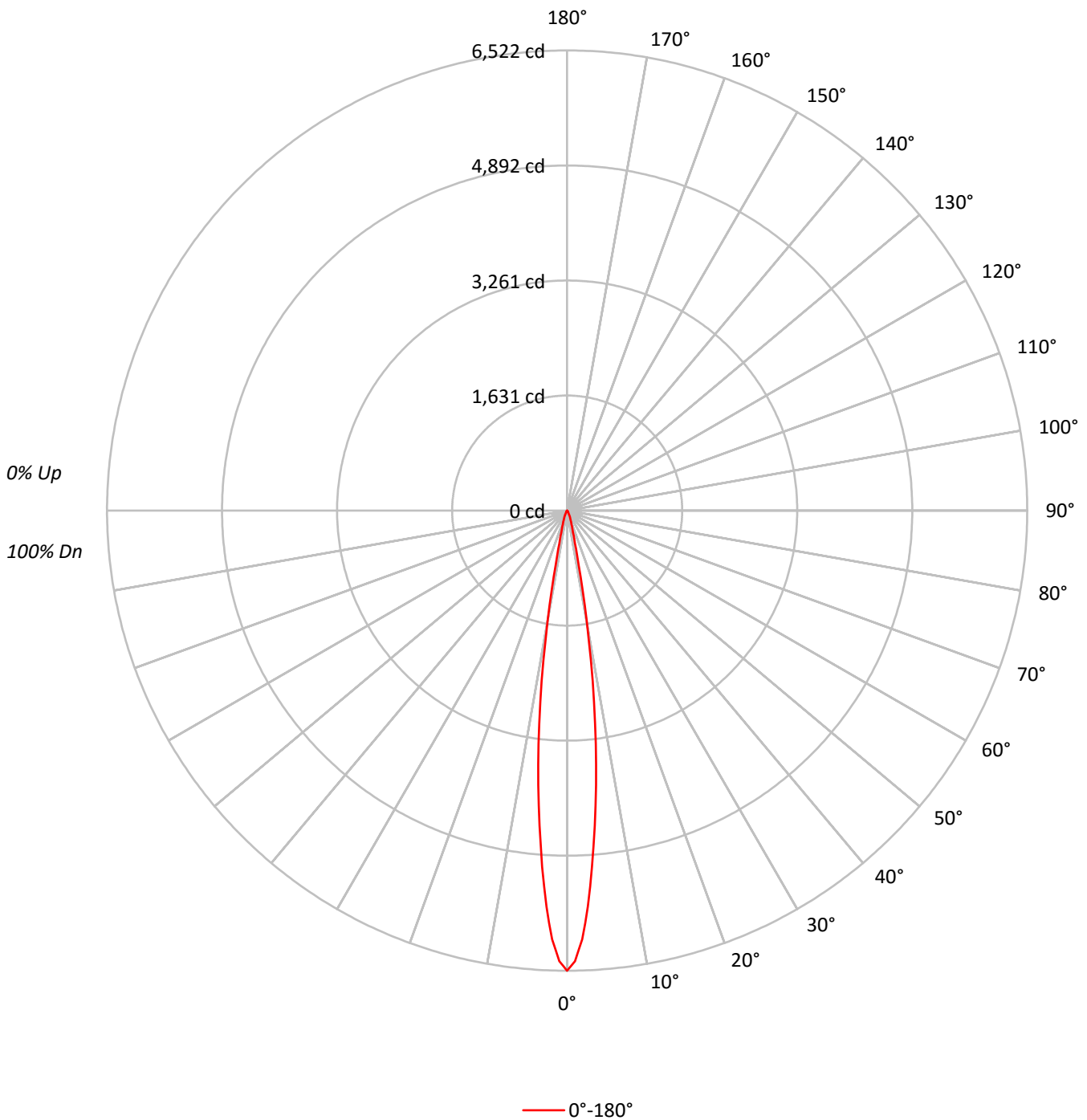
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	3217821
5°	2221706
10°	800733
15°	163400
20°	77391
25°	38052
30°	13673
35°	7228
40°	4895
45°	4605
50°	4222
55°	3785
60°	3256
65°	2568
70°	3174
75°	2097
80°	3125
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.0	65.5
10°-20°	122.0	23.9
20°-30°	33.5	6.5
30°-40°	8.1	1.6
40°-50°	4.9	1.0
50°-60°	3.9	0.8
60°-70°	2.3	0.5
70°-80°	1.3	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°	490.5	95.9
0°-40°	498.6	97.5
0°-60°	507.4	99.2
0°-90°	511.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6522	
5°	4486	335
15°	320	122
25°	70	33
35°	12	8
45°	7	5
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6522.0
1°	6387.7
2°	6079.9
3°	5620.2
4°	5063.5
5°	4485.9
6°	3911.7
7°	3333.1
8°	2739.2
9°	2149.6
10°	1598.3
11°	1129.9
12°	785.0
13°	553.5
14°	410.5
15°	319.9
17.5°	204.2
20°	147.4
22.5°	108.1
25°	69.9
27.5°	40.4
30°	24.0
32.5°	15.3
35°	12.0
37.5°	9.8
40°	7.6
42.5°	6.6
45°	6.6
47.5°	5.5
50°	5.5
52.5°	5.5
55°	4.4
57.5°	3.3
60°	3.3
62.5°	2.2
65°	2.2
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)