

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: P29413

Luminaire Tested: **9002-W1-[RW, RI]-LED4080-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 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]-LED4080-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC,  
BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 472.8 lumens  
Efficiency: N/A  
Efficacy: 47.3 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

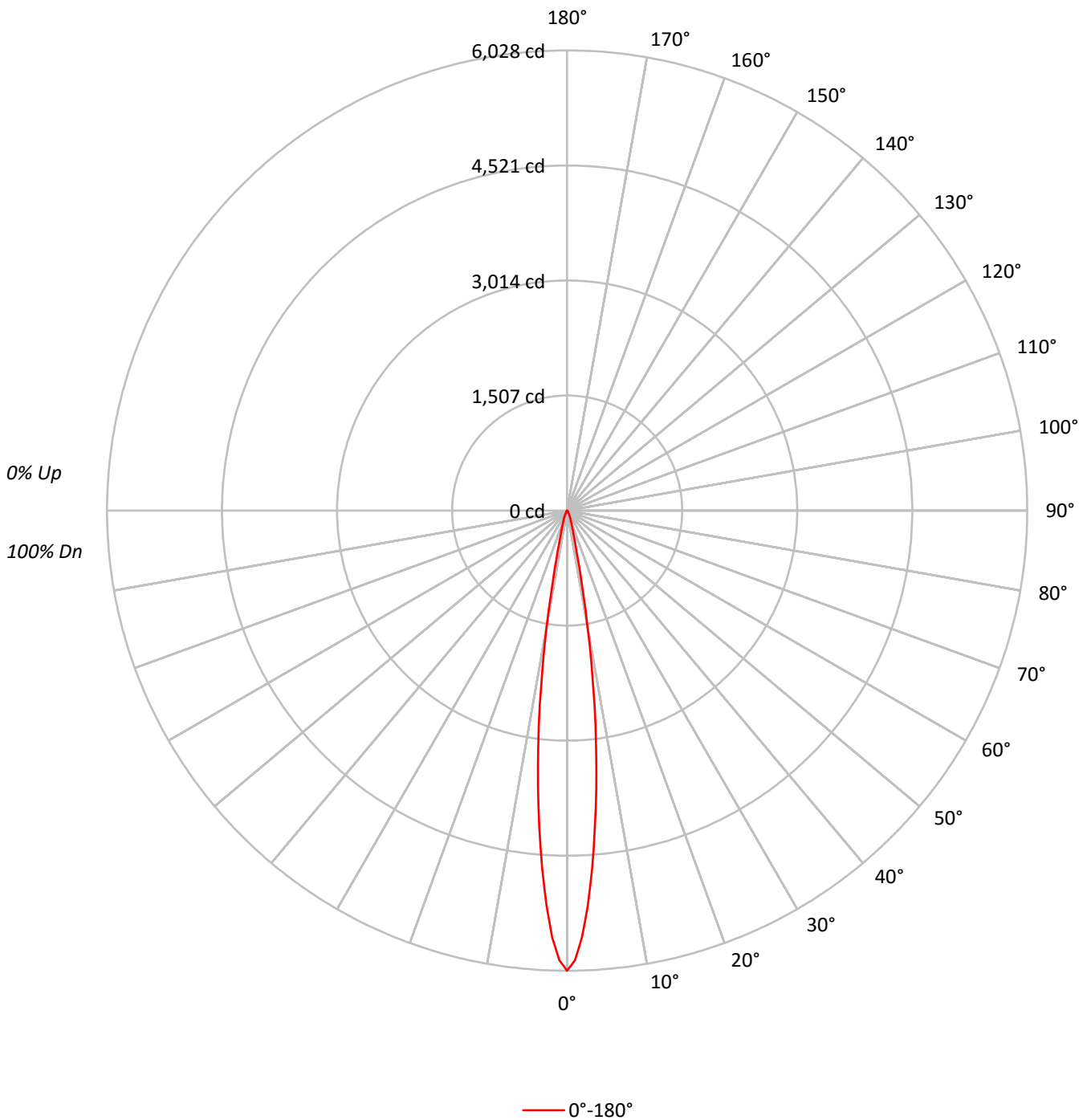
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2974092
5°	2065252
10°	767017
15°	164472
20°	73506
25°	35929
30°	11964
35°	5421
40°	3220
45°	2093
50°	1535
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°	312.2	66.0
10°-20°	120.1	25.4
20°-30°	31.5	6.7
30°-40°	6.4	1.4
40°-50°	2.2	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°	463.8	98.1
0°-40°	470.2	99.4
0°-60°	472.8	100.0
0°-90°	472.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6028	
5°	4170	312
15°	322	120
25°	66	31
35°	9	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°	6028
1°	5890
2°	5594
3°	5177
4°	4691
5°	4170
6°	3649
7°	3113
8°	2565
9°	2028
10°	1531
11°	1106
12°	779
13°	554
14°	412
15°	322
17.5°	198
20°	140
22.5°	102
25°	66
27.5°	38
30°	21
32.5°	13
35°	9
37.5°	7
40°	5
42.5°	3
45°	3
47.5°	2
50°	2
52.5°	1
55°	0
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)