

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: P29412

Luminaire Tested: **9002-W1-[RW, RI]-LED4080-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29412  
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-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

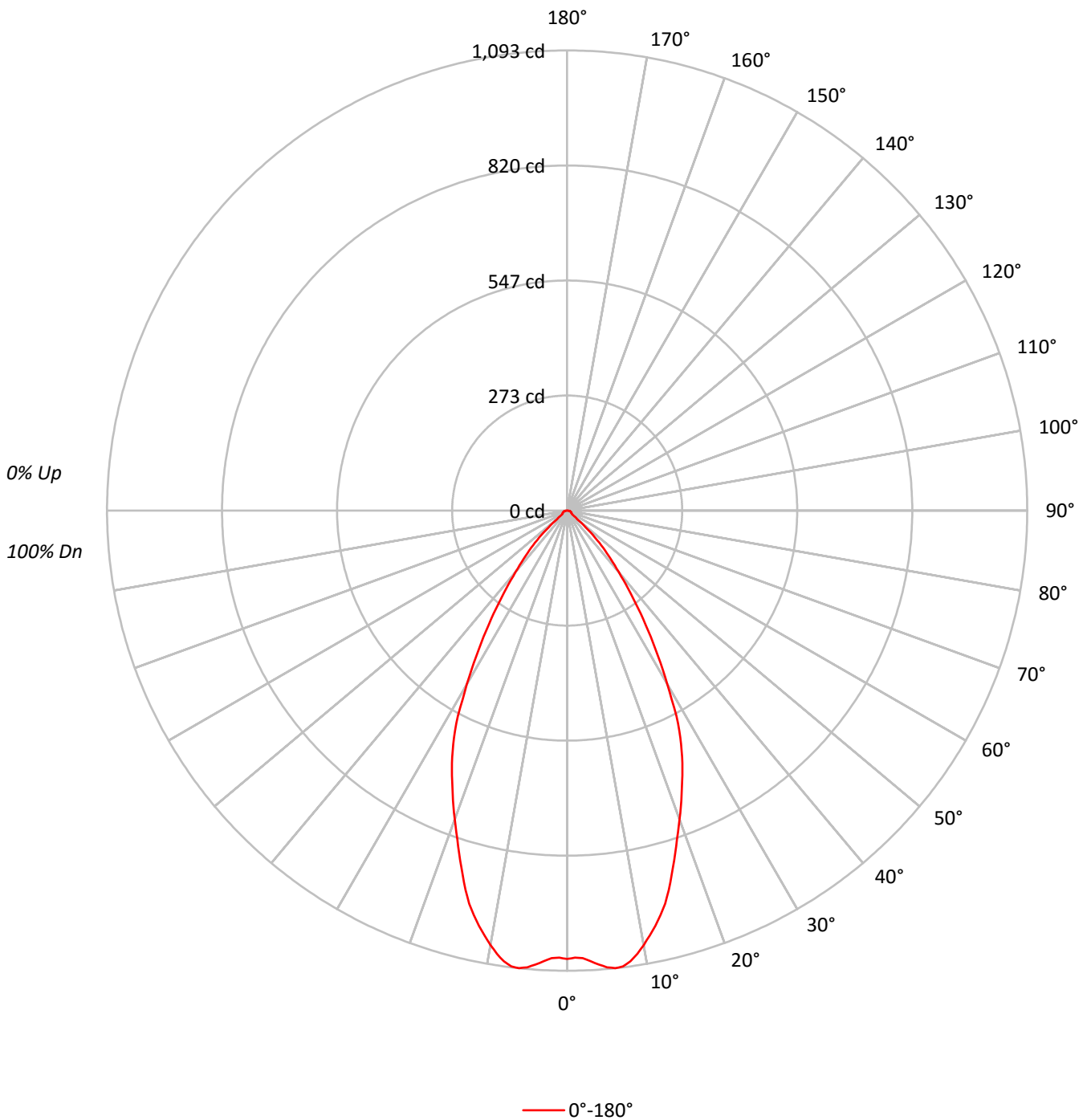
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	74	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	61	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

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

	0°
0°	525449
5°	539343
10°	525038
15°	476562
20°	409534
25°	351672
30°	271180
35°	189124
40°	122372
45°	75356
50°	23794
55°	12043
60°	11841
65°	12842
70°	12983
75°	15250
80°	14206
85°	16983



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.8	10.6
10°-20°	257.9	26.6
20°-30°	291.8	30.1
30°-40°	198.1	20.5
40°-50°	81.9	8.5
50°-60°	14.1	1.5
60°-70°	10.5	1.1
70°-80°	7.9	0.8
80°-90°	2.9	0.3
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°	652.5	67.4
0°-40°	850.7	87.9
0°-60°	946.7	97.8
0°-90°	968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1065	
5°	1089	103
15°	933	258
25°	646	292
35°	314	198
45°	108	82
55°	14	14
65°	11	11
75°	8	8
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1065
1°	1062
2°	1064
3°	1072
4°	1081
5°	1089
6°	1093
7°	1091
8°	1081
9°	1066
10°	1048
11°	1028
12°	1008
13°	986
14°	962
15°	933
16°	901
17°	869
18°	838
19°	808
20°	780
21°	754
22°	726
23°	699
24°	673
25°	646
26°	618
27°	587
28°	553
29°	512
30°	476
32.5°	390
35°	314
37.5°	247
40°	190
42.5°	146
45°	108
47.5°	67
50°	31
52.5°	15
55°	14
57.5°	13
60°	12
62.5°	11
65°	11



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	10
70°	9
72.5°	8
75°	8
77.5°	7
80°	5
82.5°	4
85°	3
87.5°	1
90°	0

(END OF REPORT)