

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: P29411

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29411  
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-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1040.8 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

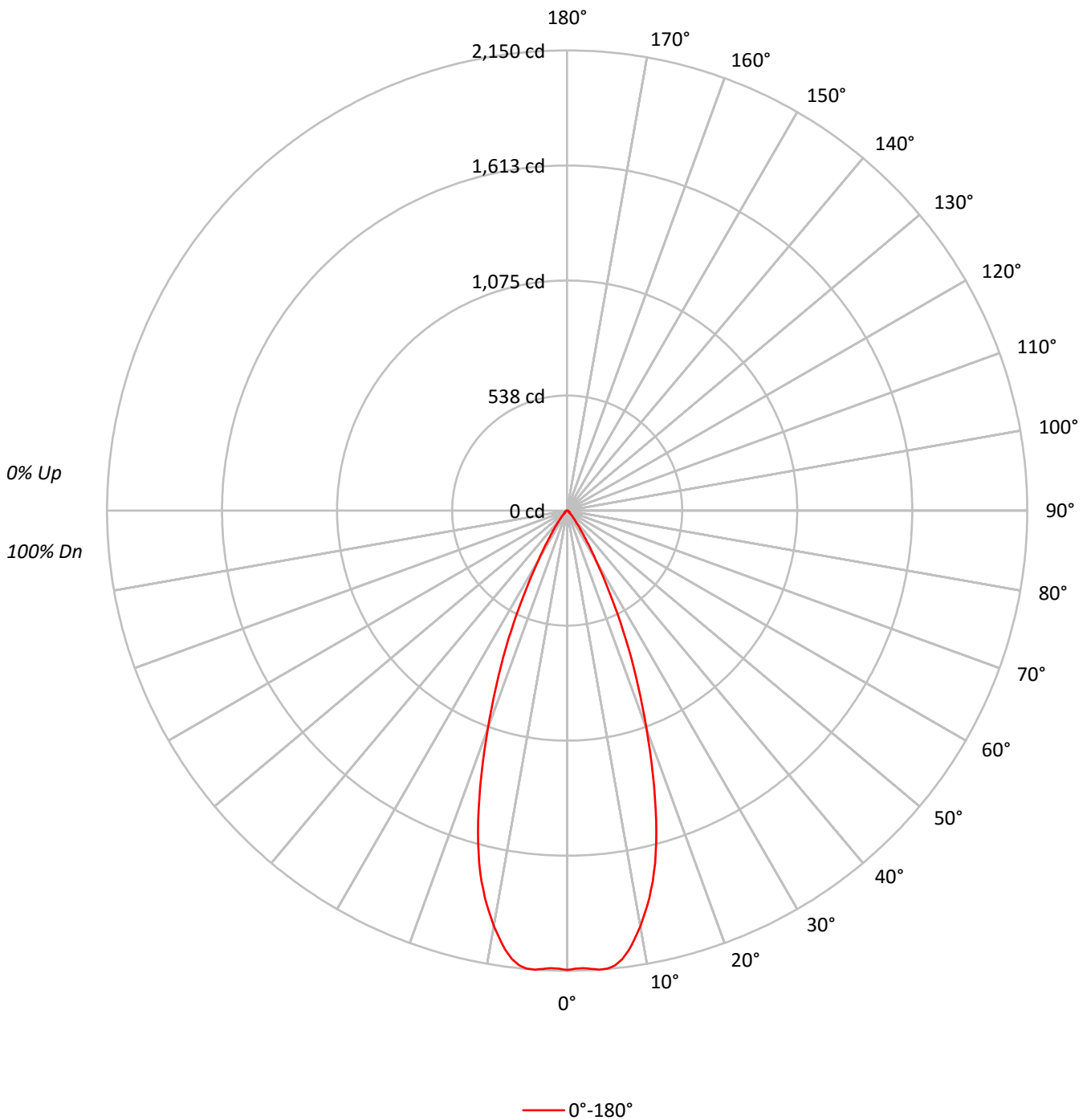
Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	89	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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

	0°
0°	1058793
5°	1064323
10°	987453
15°	821852
20°	568097
25°	336974
30°	152681
35°	68060
40°	30915
45°	16048
50°	10746
55°	10322
60°	9868
65°	9339
70°	10098
75°	11438
80°	11365
85°	11322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.5	19.2
10°-20°	433.2	41.6
20°-30°	283.1	27.2
30°-40°	78.3	7.5
40°-50°	19.8	1.9
50°-60°	10.5	1.0
60°-70°	8.3	0.8
70°-80°	5.9	0.6
80°-90°	2.2	0.2
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°	915.8	88.0
0°-40°	994.1	95.5
0°-60°	1024.4	98.4
0°-90°	1040.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1040.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2146	
5°	2149	200
15°	1609	433
25°	619	283
35°	113	78
45°	23	20
55°	12	11
65°	8	8
75°	6	6
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2146
1°	2141
2°	2139
3°	2144
4°	2150
5°	2149
6°	2137
7°	2112
8°	2073
9°	2024
10°	1971
11°	1912
12°	1848
13°	1778
14°	1698
15°	1609
16°	1509
17°	1404
18°	1296
19°	1189
20°	1082
22.5°	838
25°	619
26°	538
27°	457
28°	385
29°	320
30°	268
32.5°	171
35°	113
37.5°	73
40°	48
42.5°	33
45°	23
47.5°	17
50°	14
52.5°	12
55°	12
57.5°	11
60°	10
62.5°	9
65°	8
67.5°	8
70°	7
72.5°	6



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	6
77.5°	5
80°	4
82.5°	3
85°	2
87.5°	1
90°	0

(END OF REPORT)