

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: P220817

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220817  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29491)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W1-[RW, RI]-LED5080-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1077.8 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

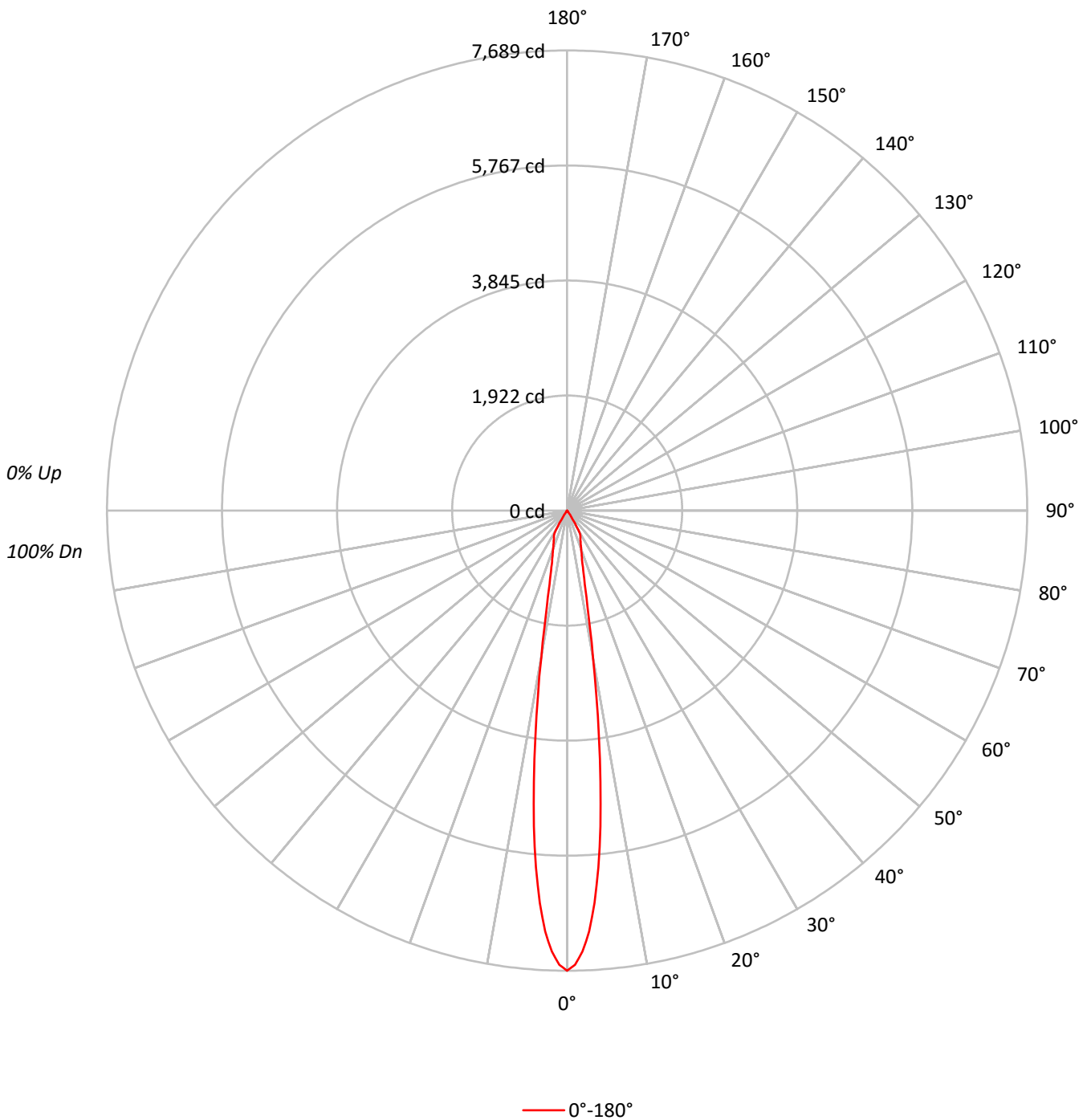
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	82	86	83	81	86	83	81	80
8	93	86	82	80	92	86	82	79	85	82	79	84	81	79	83	81	78	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

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

	0°
0°	948380
5°	740957
10°	312107
15°	132256
20°	89547
25°	71097
30°	52641
35°	4773
40°	1755
45°	523
50°	422
55°	473
60°	321
65°	263
70°	144
75°	191
80°	284
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	450.5	41.8
10°-20°	318.3	29.5
20°-30°	243.0	22.5
30°-40°	59.6	5.5
40°-50°	3.2	0.3
50°-60°	1.8	0.2
60°-70°	0.8	0.1
70°-80°	0.4	0.0
80°-90°	0.2	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°	1011.8	93.9
0°-40°	1071.4	99.4
0°-60°	1076.4	99.9
0°-90°	1077.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1077.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7689	
5°	5984	450
15°	1036	318
25°	522	243
35°	32	60
45°	3	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7688.8
1°	7590.2
2°	7373.1
3°	7040.0
4°	6573.6
5°	5984.3
6°	5306.8
7°	4562.5
8°	3812.9
9°	3126.8
10°	2491.9
11°	1989.0
12°	1620.7
13°	1360.1
14°	1174.7
15°	1035.7
16°	928.9
17°	851.2
18°	789.5
19°	731.8
20°	682.2
22.5°	588.4
25°	522.4
26°	504.6
27°	489.9
28°	475.1
29°	436.0
30°	369.6
32.5°	166.3
35°	31.7
37.5°	17.4
40°	10.9
42.5°	4.8
45°	3.0
47.5°	2.6
50°	2.2
52.5°	2.2
55°	2.2
57.5°	1.7
60°	1.3
62.5°	1.3
65°	0.9
67.5°	0.4
70°	0.4
72.5°	0.4



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)