

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: P220826

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-S-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220826  
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-L2-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: 1990.1 lumens  
Efficiency: N/A  
Efficacy: 99.0 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

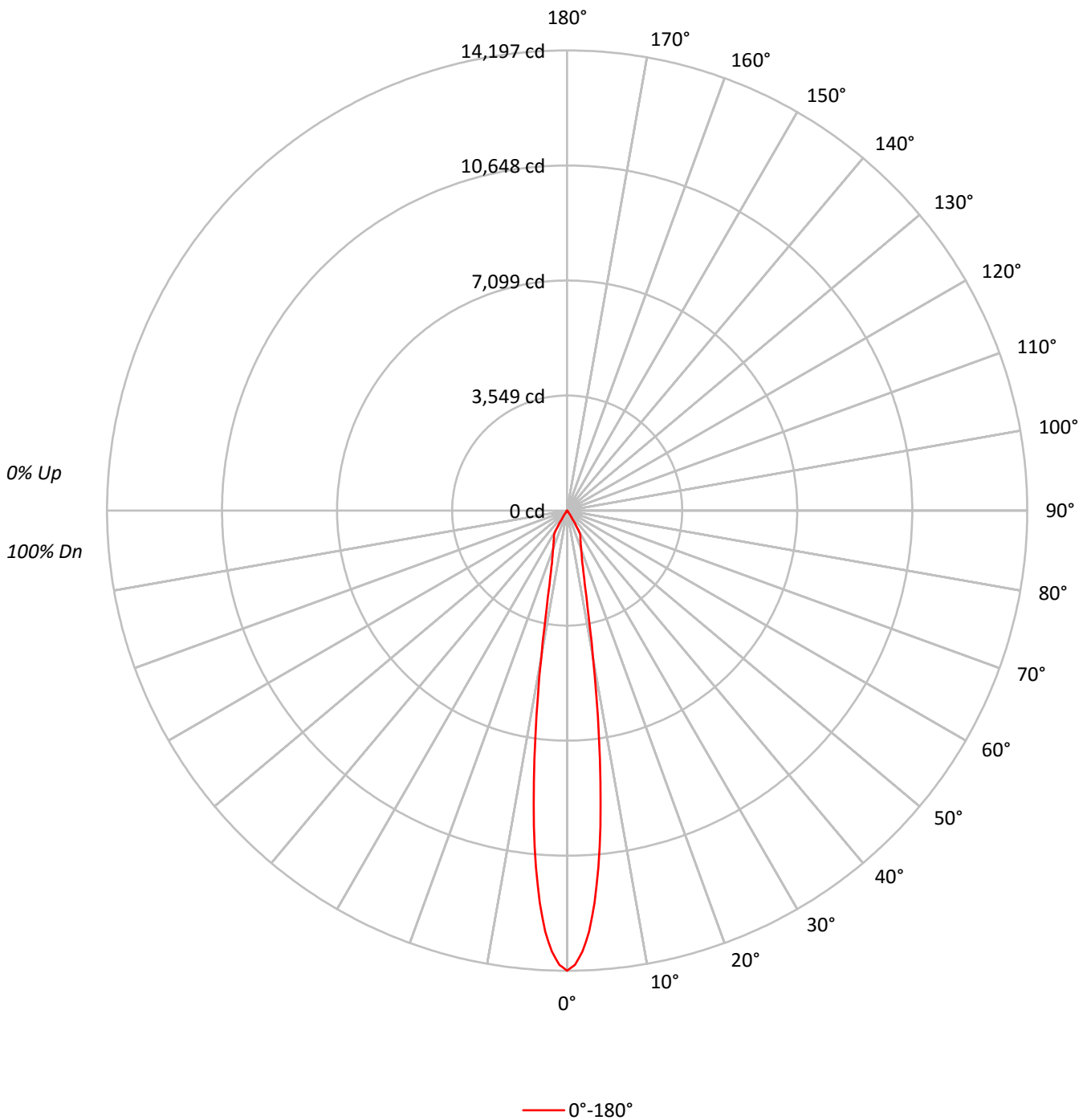
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1751101
5°	1368101
10°	576268
15°	244207
20°	165350
25°	131279
30°	97192
35°	8809
40°	3220
45°	977
50°	768
55°	860
60°	592
65°	467
70°	289
75°	381
80°	568
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	831.8	41.8
10°-20°	587.7	29.5
20°-30°	448.8	22.5
30°-40°	110.0	5.5
40°-50°	5.9	0.3
50°-60°	3.2	0.2
60°-70°	1.6	0.1
70°-80°	0.8	0.0
80°-90°	0.3	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°	1868.2	93.9
0°-40°	1978.3	99.4
0°-60°	1987.4	99.9
0°-90°	1990.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14197	
5°	11049	832
15°	1912	588
25°	965	449
35°	58	110
45°	6	6
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14196.7
1°	14014.7
2°	13613.7
3°	12998.7
4°	12137.5
5°	11049.4
6°	9798.6
7°	8424.2
8°	7040.2
9°	5773.3
10°	4601.0
11°	3672.5
12°	2992.5
13°	2511.4
14°	2169.0
15°	1912.4
16°	1715.1
17°	1571.6
18°	1457.8
19°	1351.1
20°	1259.7
22.5°	1086.5
25°	964.6
26°	931.7
27°	904.5
28°	877.2
29°	805.1
30°	682.4
32.5°	307.1
35°	58.5
37.5°	32.1
40°	20.0
42.5°	8.8
45°	5.6
47.5°	4.8
50°	4.0
52.5°	4.0
55°	4.0
57.5°	3.2
60°	2.4
62.5°	2.4
65°	1.6
67.5°	0.8
70°	0.8
72.5°	0.8



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)