

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: P220728

Luminaire Tested: **9004-W1-[RW, RI]-LED3090-S-WT-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)  
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]-LED3090-S-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2107.8 lumens  
Efficiency: N/A  
Efficacy: 73.7 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

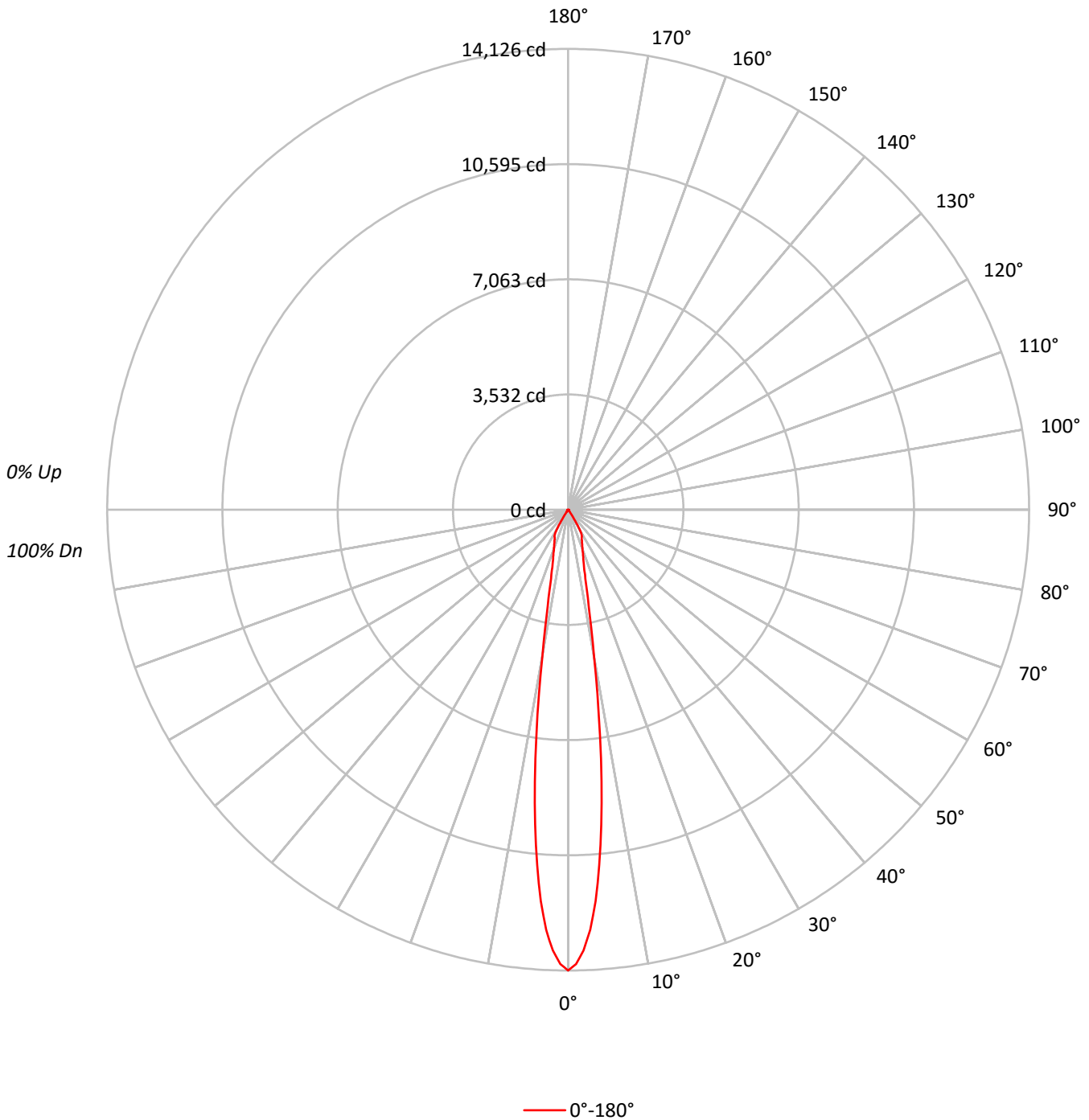
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	78
7	93	86	82	78	92	86	81	78	84	81	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

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

	0°
0°	1742343
5°	1353949
10°	573751
15°	245293
20°	167503
25°	133484
30°	99799
35°	13221
40°	7069
45°	5146
50°	5507
55°	6000
60°	6685
65°	7676
70°	8908
75°	10628
80°	12502
85°	12454



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	825.2	39.1
10°-20°	591.3	28.1
20°-30°	456.3	21.6
30°-40°	126.4	6.0
40°-50°	24.5	1.2
50°-60°	25.0	1.2
60°-70°	26.0	1.2
70°-80°	23.3	1.1
80°-90°	9.8	0.5
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°	1872.8	88.9
0°-40°	1999.2	94.8
0°-60°	2048.8	97.2
0°-90°	2107.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2107.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14126	
5°	10935	825
15°	1921	591
25°	981	456
35°	88	126
45°	30	24
55°	28	25
65°	26	26
75°	22	23
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14125.7
1°	13927.8
2°	13517.6
3°	12894.3
4°	12027.6
5°	10935.1
6°	9701.3
7°	8398.8
8°	6988.6
9°	5710.1
10°	4580.9
11°	3691.0
12°	3015.9
13°	2527.5
14°	2181.9
15°	1920.9
16°	1727.0
17°	1581.8
18°	1467.6
19°	1367.9
20°	1276.1
22.5°	1105.3
25°	980.8
26°	948.9
27°	921.8
28°	889.0
29°	818.0
30°	700.7
32.5°	336.8
35°	87.8
37.5°	56.7
40°	43.9
42.5°	32.7
45°	29.5
47.5°	28.7
50°	28.7
52.5°	27.9
55°	27.9
57.5°	27.9
60°	27.1
62.5°	27.1
65°	26.3
67.5°	25.5
70°	24.7
72.5°	23.9



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	22.3
77.5°	20.7
80°	17.6
82.5°	14.4
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)