

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: P220724

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220724
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]-LED3097-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1439.0 lumens
Efficiency: N/A
Efficacy: 71.6 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

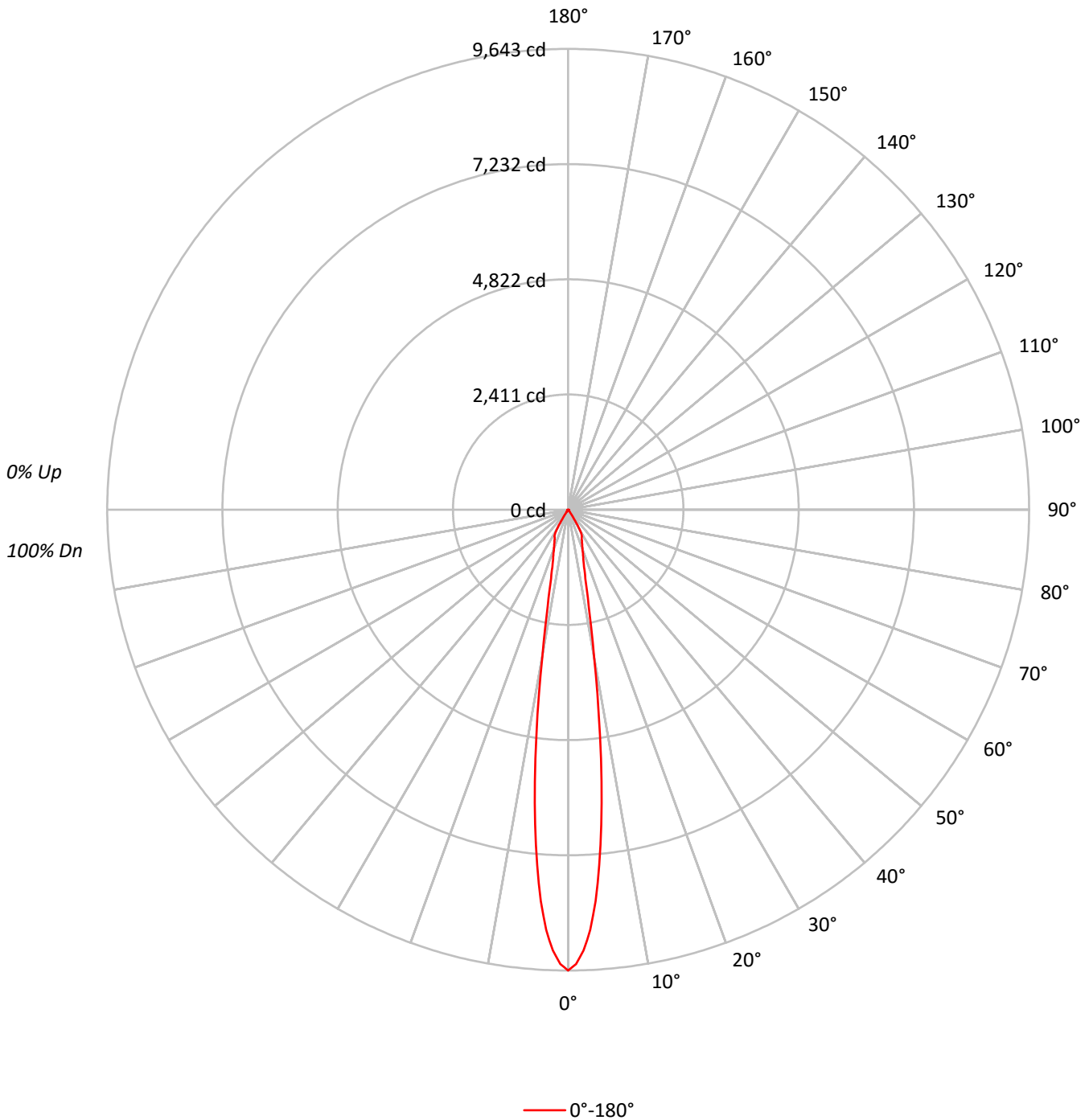
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	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	88	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°	1189459
5°	924305
10°	391689
15°	167462
20°	114355
25°	91130
30°	68123
35°	9020
40°	4830
45°	3524
50°	3761
55°	4107
60°	4564
65°	5253
70°	6095
75°	7292
80°	8524
85°	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.3	39.1
10°-20°	403.7	28.1
20°-30°	311.5	21.6
30°-40°	86.3	6.0
40°-50°	16.7	1.2
50°-60°	17.1	1.2
60°-70°	17.8	1.2
70°-80°	15.9	1.1
80°-90°	6.7	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°	1278.5	88.8
0°-40°	1364.8	94.8
0°-60°	1398.7	97.2
0°-90°	1439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9643	
5°	7465	563
15°	1311	404
25°	670	312
35°	60	86
45°	20	17
55°	19	17
65°	18	18
75°	15	16
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9643.3
1°	9508.2
2°	9228.1
3°	8802.6
4°	8210.9
5°	7465.1
6°	6622.8
7°	5733.7
8°	4771.0
9°	3898.2
10°	3127.3
11°	2519.8
12°	2058.9
13°	1725.4
14°	1489.5
15°	1311.4
16°	1179.0
17°	1079.8
18°	1001.9
19°	933.8
20°	871.2
22.5°	754.6
25°	669.6
26°	647.8
27°	629.3
28°	606.9
29°	558.4
30°	478.3
32.5°	229.9
35°	59.9
37.5°	38.7
40°	30.0
42.5°	22.3
45°	20.2
47.5°	19.6
50°	19.6
52.5°	19.1
55°	19.1
57.5°	19.1
60°	18.5
62.5°	18.5
65°	18.0
67.5°	17.4
70°	16.9
72.5°	16.3



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CANDELA DISTRIBUTION (continued):

	0°
75°	15.3
77.5°	14.2
80°	12.0
82.5°	9.8
85°	6.0
87.5°	2.7
90°	0.0

(END OF REPORT)