

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: P220732

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-S-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220732
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-L3-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: 1864.3 lumens
Efficiency: N/A
Efficacy: 65.2 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

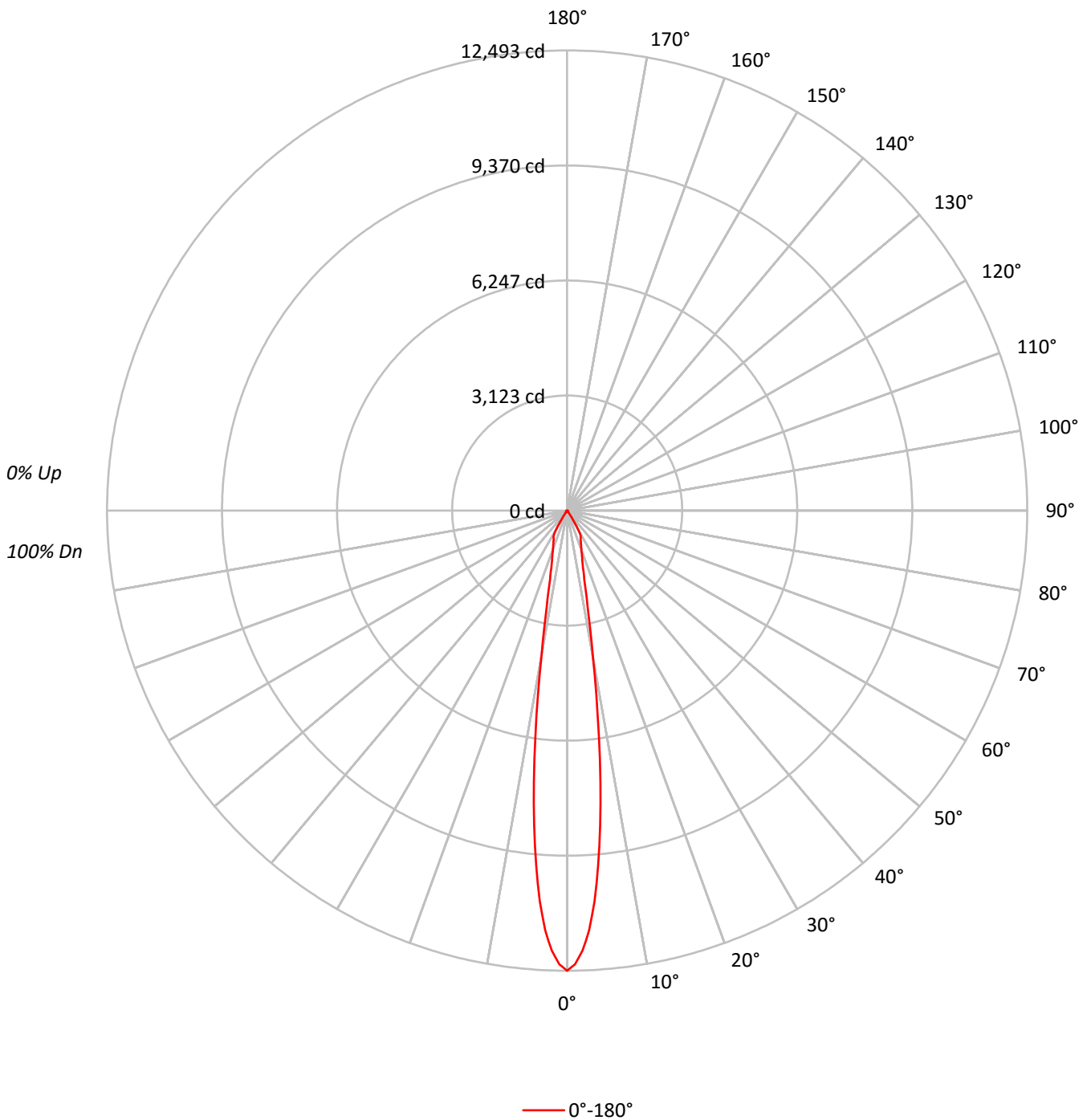
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1540994
5°	1197482
10°	507444
15°	216957
20°	148142
25°	118064
30°	88262
35°	11685
40°	6247
45°	4553
50°	4874
55°	5312
60°	5921
65°	6800
70°	7898
75°	9436
80°	11010
85°	11039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.8	39.1
10°-20°	523.0	28.1
20°-30°	403.6	21.6
30°-40°	111.8	6.0
40°-50°	21.7	1.2
50°-60°	22.2	1.2
60°-70°	23.0	1.2
70°-80°	20.6	1.1
80°-90°	8.6	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°	1656.4	88.8
0°-40°	1768.2	94.8
0°-60°	1812.0	97.2
0°-90°	1864.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12493	
5°	9671	730
15°	1699	523
25°	868	404
35°	78	112
45°	26	22
55°	25	22
65°	23	23
75°	20	21
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12493.3
1°	12318.3
2°	11955.5
3°	11404.2
4°	10637.7
5°	9671.4
6°	8580.2
7°	7428.2
8°	6181.0
9°	5050.3
10°	4051.5
11°	3264.5
12°	2667.4
13°	2235.4
14°	1929.8
15°	1699.0
16°	1527.4
17°	1399.0
18°	1298.0
19°	1209.8
20°	1128.6
22.5°	977.6
25°	867.5
26°	839.2
27°	815.2
28°	786.3
29°	723.5
30°	619.7
32.5°	297.9
35°	77.6
37.5°	50.1
40°	38.8
42.5°	28.9
45°	26.1
47.5°	25.4
50°	25.4
52.5°	24.7
55°	24.7
57.5°	24.7
60°	24.0
62.5°	24.0
65°	23.3
67.5°	22.6
70°	21.9
72.5°	21.2



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CANDELA DISTRIBUTION (continued):

	0°
75°	19.8
77.5°	18.4
80°	15.5
82.5°	12.7
85°	7.8
87.5°	3.5
90°	0.0

(END OF REPORT)