

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: P220716

Luminaire Tested: **9004-W1-[RW, RI]-LED3597-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220716
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]-LED3597-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 884.0 lumens
Efficiency: N/A
Efficacy: 90.2 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

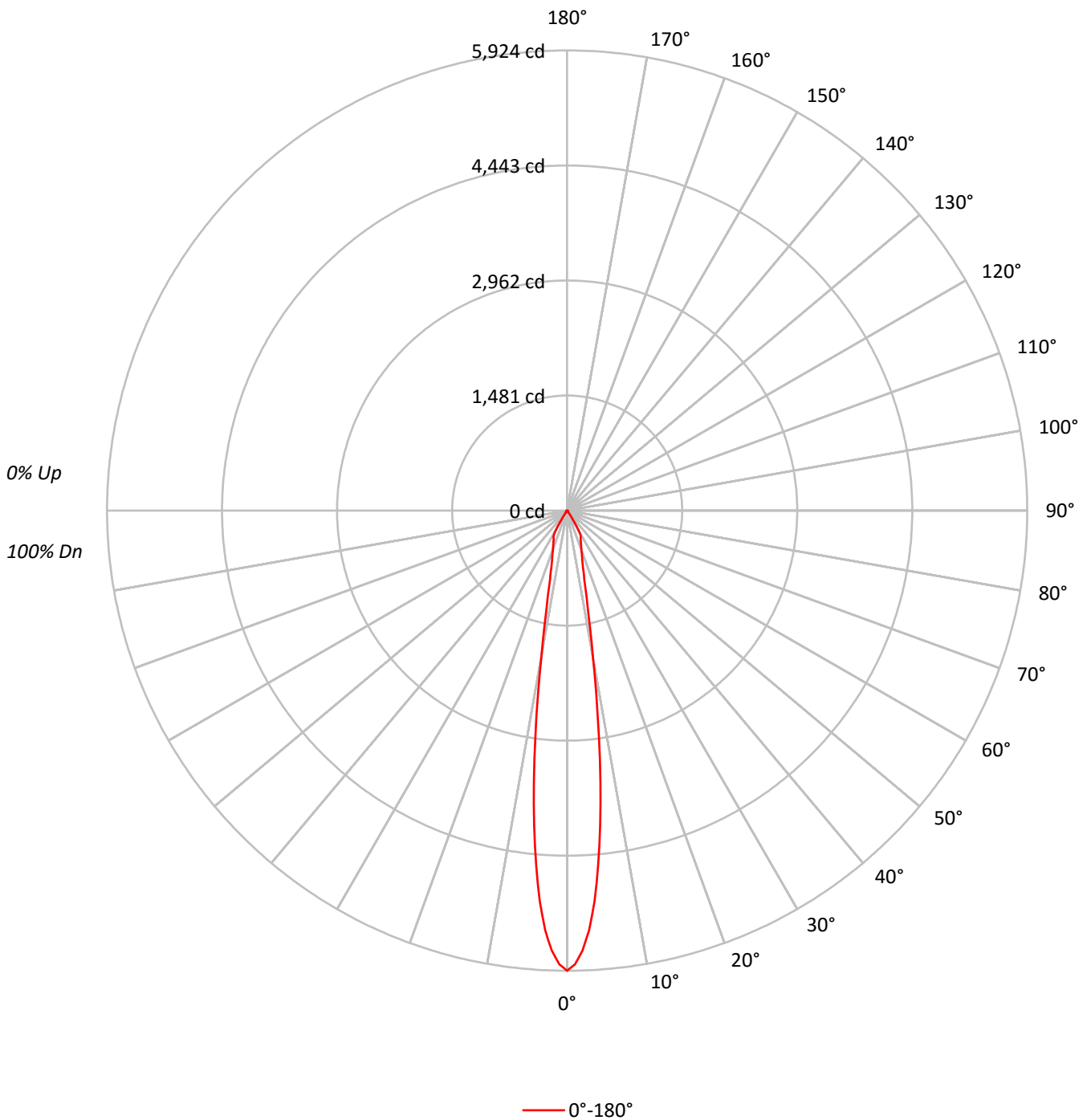
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	730699
5°	567811
10°	240615
15°	102873
20°	70251
25°	55977
30°	41859
35°	5541
40°	2963
45°	2163
50°	2303
55°	2516
60°	2812
65°	3210
70°	3751
75°	4480
80°	5256
85°	5236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.1	39.1
10°-20°	248.0	28.1
20°-30°	191.4	21.6
30°-40°	53.0	6.0
40°-50°	10.3	1.2
50°-60°	10.5	1.2
60°-70°	10.9	1.2
70°-80°	9.8	1.1
80°-90°	4.1	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°	785.4	88.8
0°-40°	838.4	94.8
0°-60°	859.2	97.2
0°-90°	884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5924	
5°	4586	346
15°	806	248
25°	411	191
35°	37	53
45°	12	10
55°	12	10
65°	11	11
75°	9	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5924.0
1°	5841.0
2°	5669.0
3°	5407.6
4°	5044.1
5°	4585.9
6°	4068.5
7°	3522.3
8°	2930.9
9°	2394.7
10°	1921.1
11°	1547.9
12°	1264.8
13°	1060.0
14°	915.0
15°	805.6
16°	724.3
17°	663.4
18°	615.5
19°	573.7
20°	535.2
22.5°	463.5
25°	411.3
26°	397.9
27°	386.6
28°	372.8
29°	343.1
30°	293.9
32.5°	141.2
35°	36.8
37.5°	23.8
40°	18.4
42.5°	13.7
45°	12.4
47.5°	12.0
50°	12.0
52.5°	11.7
55°	11.7
57.5°	11.7
60°	11.4
62.5°	11.4
65°	11.0
67.5°	10.7
70°	10.4
72.5°	10.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	9.4
77.5°	8.7
80°	7.4
82.5°	6.0
85°	3.7
87.5°	1.7
90°	0.0

(END OF REPORT)