

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: P220713

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220713
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]-LED5080-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1147.1 lumens
Efficiency: N/A
Efficacy: 117.0 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

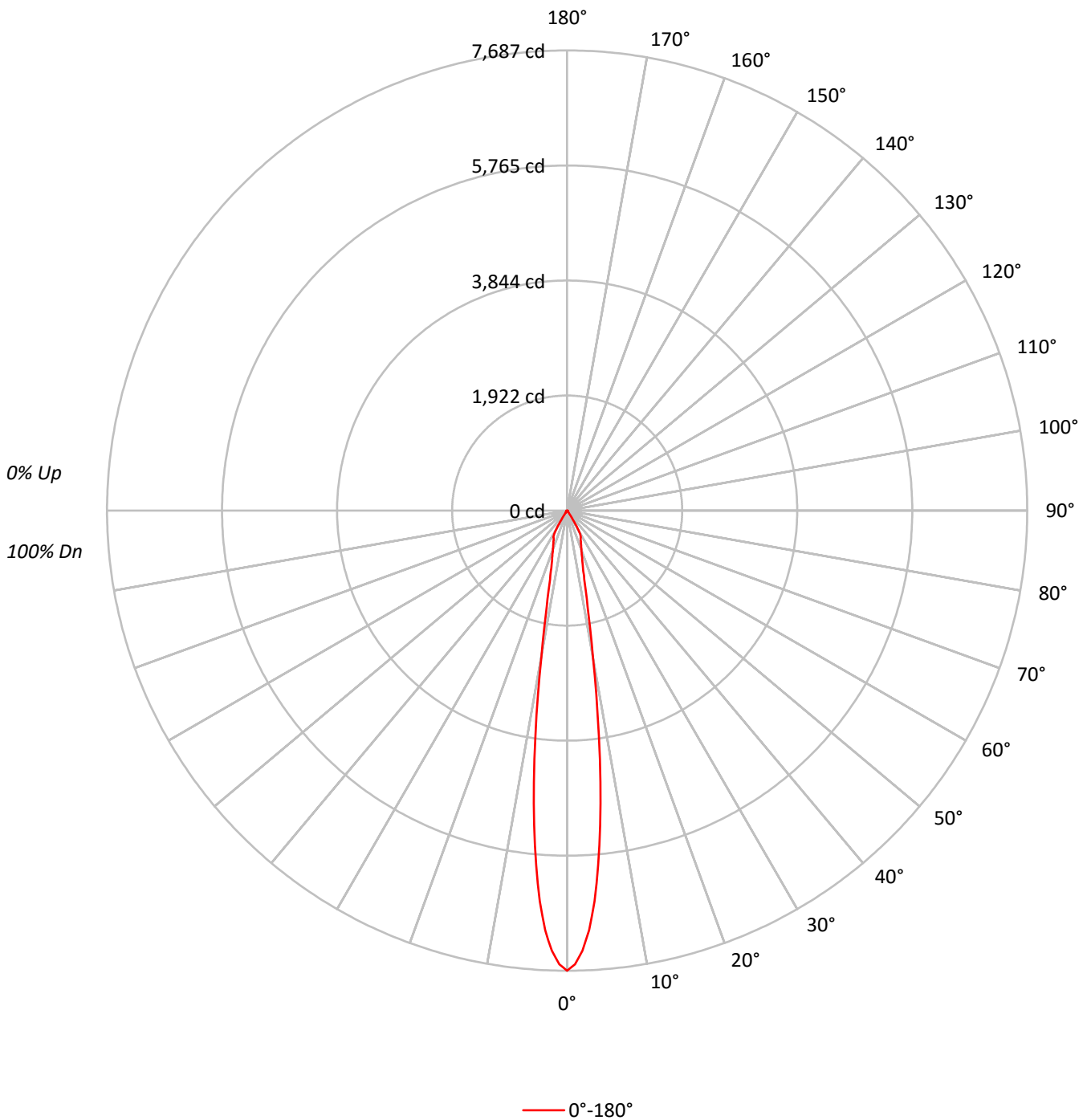
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	948108
5°	736759
10°	312207
15°	133481
20°	91148
25°	72635
30°	54308
35°	7198
40°	3848
45°	2808
50°	2994
55°	3269
60°	3651
65°	4174
70°	4869
75°	5814
80°	6819
85°	6793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.0	39.1
10°-20°	321.8	28.1
20°-30°	248.3	21.6
30°-40°	68.8	6.0
40°-50°	13.3	1.2
50°-60°	13.6	1.2
60°-70°	14.2	1.2
70°-80°	12.7	1.1
80°-90°	5.3	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°	1019.1	88.8
0°-40°	1087.9	94.8
0°-60°	1114.9	97.2
0°-90°	1147.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7687	
5°	5950	449
15°	1045	322
25°	534	248
35°	48	69
45°	16	13
55°	15	14
65°	14	14
75°	12	13
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7686.6
1°	7578.9
2°	7355.7
3°	7016.6
4°	6544.9
5°	5950.4
6°	5279.0
7°	4570.3
8°	3802.9
9°	3107.2
10°	2492.7
11°	2008.5
12°	1641.1
13°	1375.3
14°	1187.3
15°	1045.3
16°	939.8
17°	860.7
18°	798.6
19°	744.3
20°	694.4
22.5°	601.5
25°	533.7
26°	516.4
27°	501.6
28°	483.8
29°	445.1
30°	381.3
32.5°	183.3
35°	47.8
37.5°	30.8
40°	23.9
42.5°	17.8
45°	16.1
47.5°	15.6
50°	15.6
52.5°	15.2
55°	15.2
57.5°	15.2
60°	14.8
62.5°	14.8
65°	14.3
67.5°	13.9
70°	13.5
72.5°	13.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	12.2
77.5°	11.3
80°	9.6
82.5°	7.8
85°	4.8
87.5°	2.2
90°	0.0

(END OF REPORT)