

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: P220473

Luminaire Tested: **9003-W1-[RW, RI]-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W1-[RW, RI]-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 718.7 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

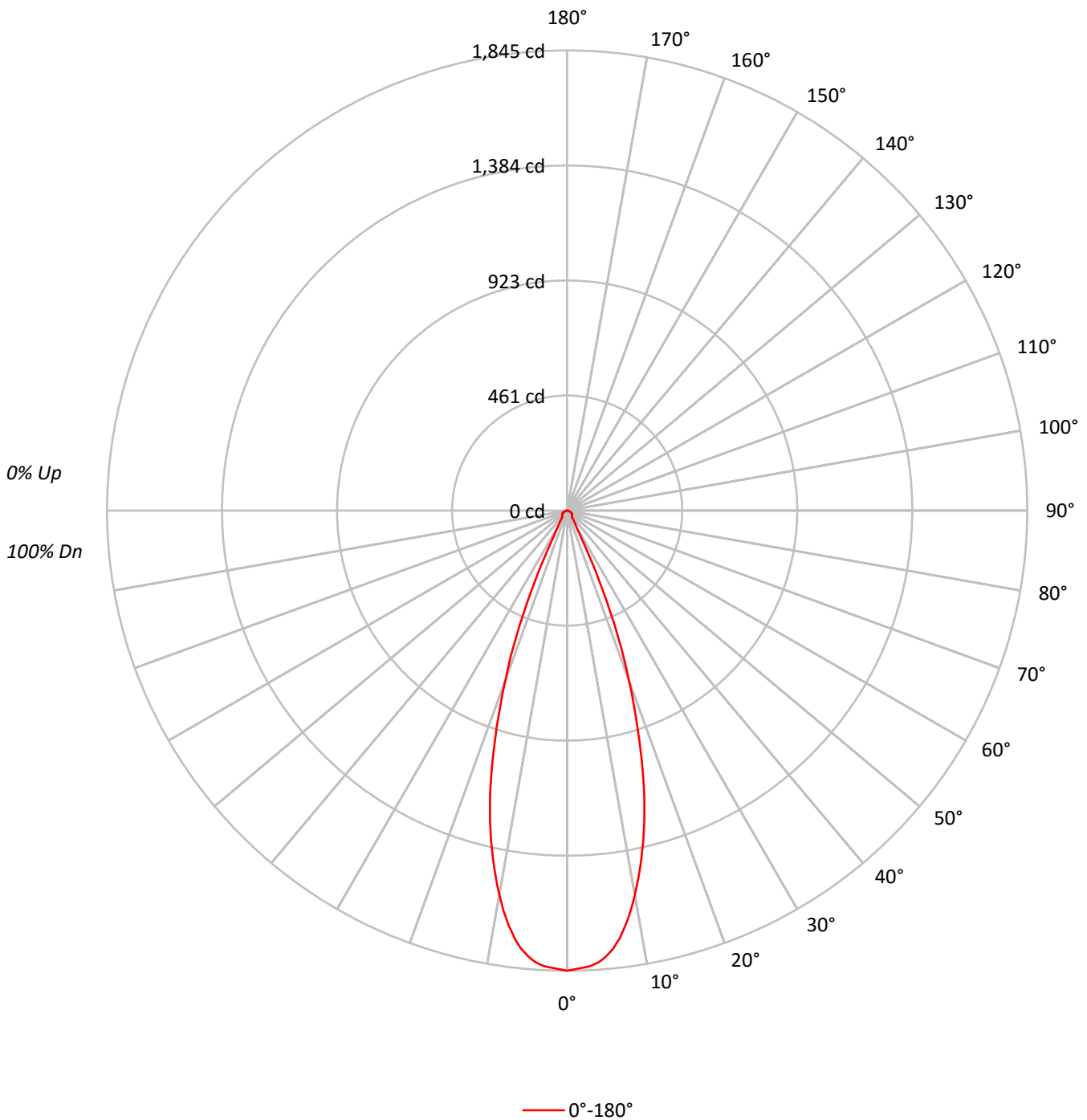
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	404551
5°	394980
10°	348401
15°	271103
20°	169345
25°	66125
30°	18028
35°	10547
40°	8444
45°	8559
50°	9006
55°	9214
60°	9078
65°	8354
70°	7117
75°	6524
80°	7198
85°	6793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	22.8
10°-20°	320.1	44.5
20°-30°	137.3	19.1
30°-40°	27.1	3.8
40°-50°	21.5	3.0
50°-60°	21.4	3.0
60°-70°	15.9	2.2
70°-80°	8.5	1.2
80°-90°	3.0	0.4
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°	621.4	86.5
0°-40°	648.5	90.2
0°-60°	691.3	96.2
0°-90°	718.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	718.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1845	
5°	1794	164
15°	1194	320
25°	273	137
35°	39	27
45°	28	21
55°	24	21
65°	16	16
75°	8	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1844.9
1°	1839.5
2°	1833.8
3°	1828.4
4°	1815.8
5°	1794.4
6°	1765.7
7°	1728.2
8°	1680.3
9°	1626.3
10°	1564.7
11°	1498.9
12°	1430.4
13°	1356.1
14°	1278.0
15°	1194.2
16°	1104.6
17°	1010.5
18°	913.3
19°	818.0
20°	725.7
21°	638.1
22°	543.9
23°	447.4
24°	355.6
25°	273.3
26°	201.7
27°	142.8
28°	101.8
29°	80.8
30°	71.2
32.5°	54.0
35°	39.4
37.5°	32.2
40°	29.5
42.5°	28.3
45°	27.6
47.5°	27.2
50°	26.4
52.5°	25.3
55°	24.1
57.5°	22.6
60°	20.7
62.5°	18.8
65°	16.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.4
70°	11.1
72.5°	9.2
75°	7.7
77.5°	6.9
80°	5.7
82.5°	4.2
85°	2.7
87.5°	1.1
90°	0.0

(END OF REPORT)