

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: P220784

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 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: 1905.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

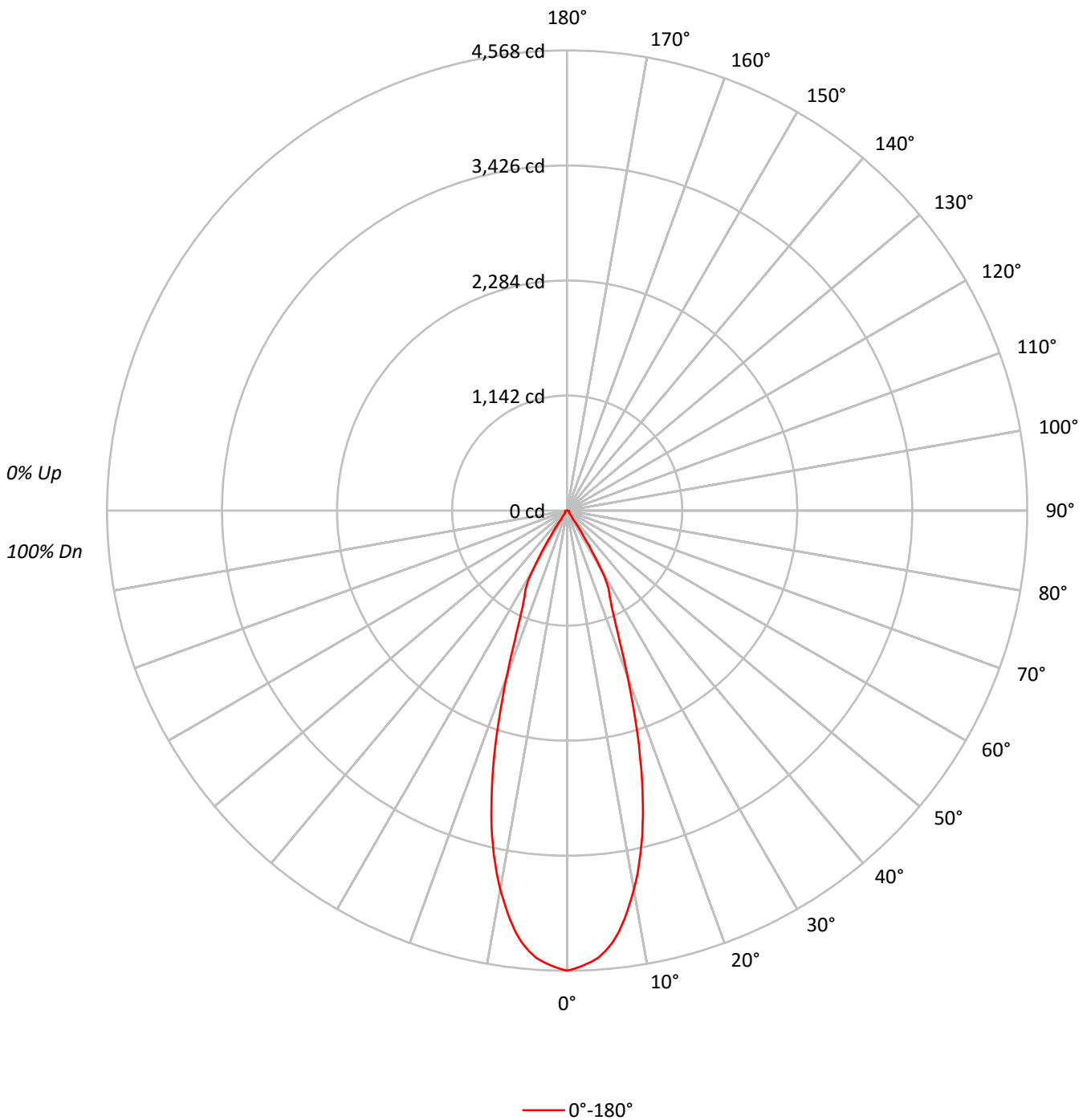
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	563381
5°	543246
10°	478361
15°	369363
20°	230601
25°	141976
30°	97321
35°	15299
40°	6940
45°	4675
50°	4874
55°	5312
60°	5921
65°	6596
70°	7646
75°	9436
80°	11010
85°	11039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.5	21.0
10°-20°	776.7	40.8
20°-30°	503.0	26.4
30°-40°	129.4	6.8
40°-50°	22.1	1.2
50°-60°	22.3	1.2
60°-70°	22.4	1.2
70°-80°	20.1	1.1
80°-90°	8.4	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°	1680.2	88.2
0°-40°	1809.6	95.0
0°-60°	1854.0	97.3
0°-90°	1905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1905.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4568	
5°	4388	401
15°	2892	777
25°	1043	503
35°	102	129
45°	27	22
55°	25	22
65°	23	22
75°	20	20
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4567.5
1°	4547.0
2°	4520.2
3°	4488.4
4°	4447.5
5°	4387.5
6°	4311.3
7°	4211.7
8°	4092.5
9°	3959.8
10°	3819.3
11°	3665.4
12°	3496.0
13°	3312.5
14°	3111.3
15°	2892.5
16°	2666.7
17°	2434.4
18°	2201.5
19°	1972.1
20°	1756.8
21°	1559.9
22°	1388.4
23°	1243.7
24°	1130.0
25°	1043.2
26°	974.8
27°	921.8
28°	877.4
29°	799.7
30°	683.3
32.5°	341.6
35°	101.6
37.5°	64.9
40°	43.1
42.5°	27.5
45°	26.8
47.5°	26.1
50°	25.4
52.5°	25.4
55°	24.7
57.5°	24.7
60°	24.0
62.5°	23.3
65°	22.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.9
70°	21.2
72.5°	20.5
75°	19.8
77.5°	17.6
80°	15.5
82.5°	12.0
85°	7.8
87.5°	3.5
90°	0.0

(END OF REPORT)