

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: P220758

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)
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-M-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1868.9 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

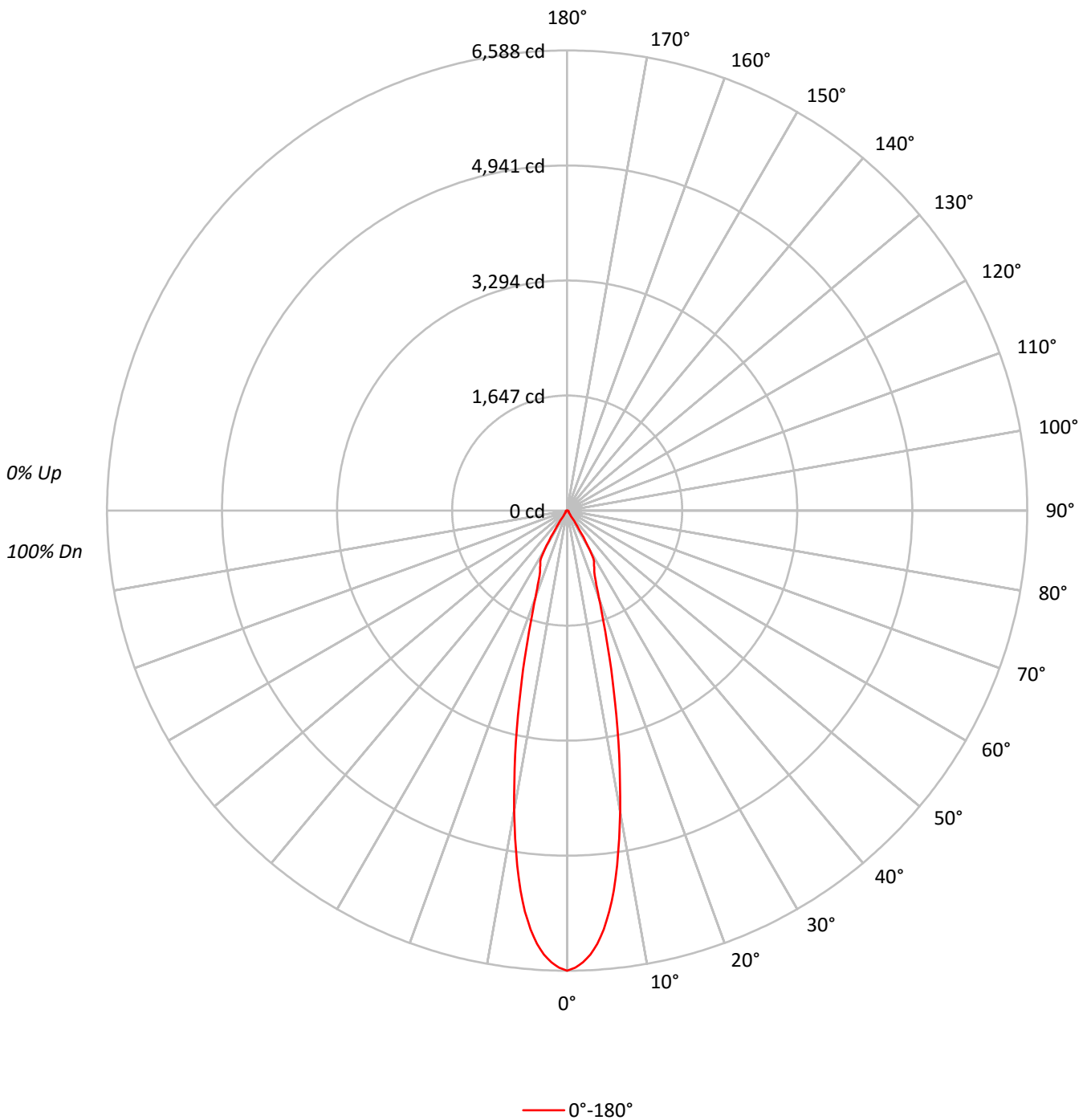
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	812552
5°	745129
10°	546785
15°	320238
20°	174736
25°	124501
30°	92079
35°	13281
40°	7278
45°	5163
50°	5277
55°	5462
60°	6093
65°	6800
70°	7898
75°	9770
80°	11507
85°	11039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.8	27.9
10°-20°	697.4	37.3
20°-30°	430.5	23.0
30°-40°	120.0	6.4
40°-50°	24.2	1.3
50°-60°	23.1	1.2
60°-70°	23.3	1.2
70°-80°	20.9	1.1
80°-90°	8.7	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°	1648.7	88.2
0°-40°	1768.7	94.6
0°-60°	1816.0	97.2
0°-90°	1868.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1868.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6588	
5°	6018	521
15°	2508	697
25°	915	430
35°	88	120
45°	30	24
55°	25	23
65°	23	23
75°	20	21
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6587.6
1°	6546.6
2°	6471.1
3°	6363.8
4°	6216.3
5°	6018.0
6°	5772.3
7°	5480.1
8°	5131.4
9°	4756.6
10°	4365.6
11°	3967.5
12°	3574.4
13°	3191.1
14°	2835.3
15°	2507.8
16°	2206.4
17°	1936.1
18°	1699.0
19°	1496.4
20°	1331.2
21°	1195.0
22°	1092.6
23°	1015.0
24°	957.1
25°	914.8
26°	880.2
27°	849.8
28°	820.9
29°	756.0
30°	646.5
32.5°	313.4
35°	88.2
37.5°	60.7
40°	45.2
42.5°	31.8
45°	29.6
47.5°	28.2
50°	27.5
52.5°	26.1
55°	25.4
57.5°	25.4
60°	24.7
62.5°	24.7
65°	23.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	22.6
70°	21.9
72.5°	21.2
75°	20.5
77.5°	18.4
80°	16.2
82.5°	12.7
85°	7.8
87.5°	3.5
90°	0.0

(END OF REPORT)