

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: P220914

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-W-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29494)
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-W-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1684.8 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

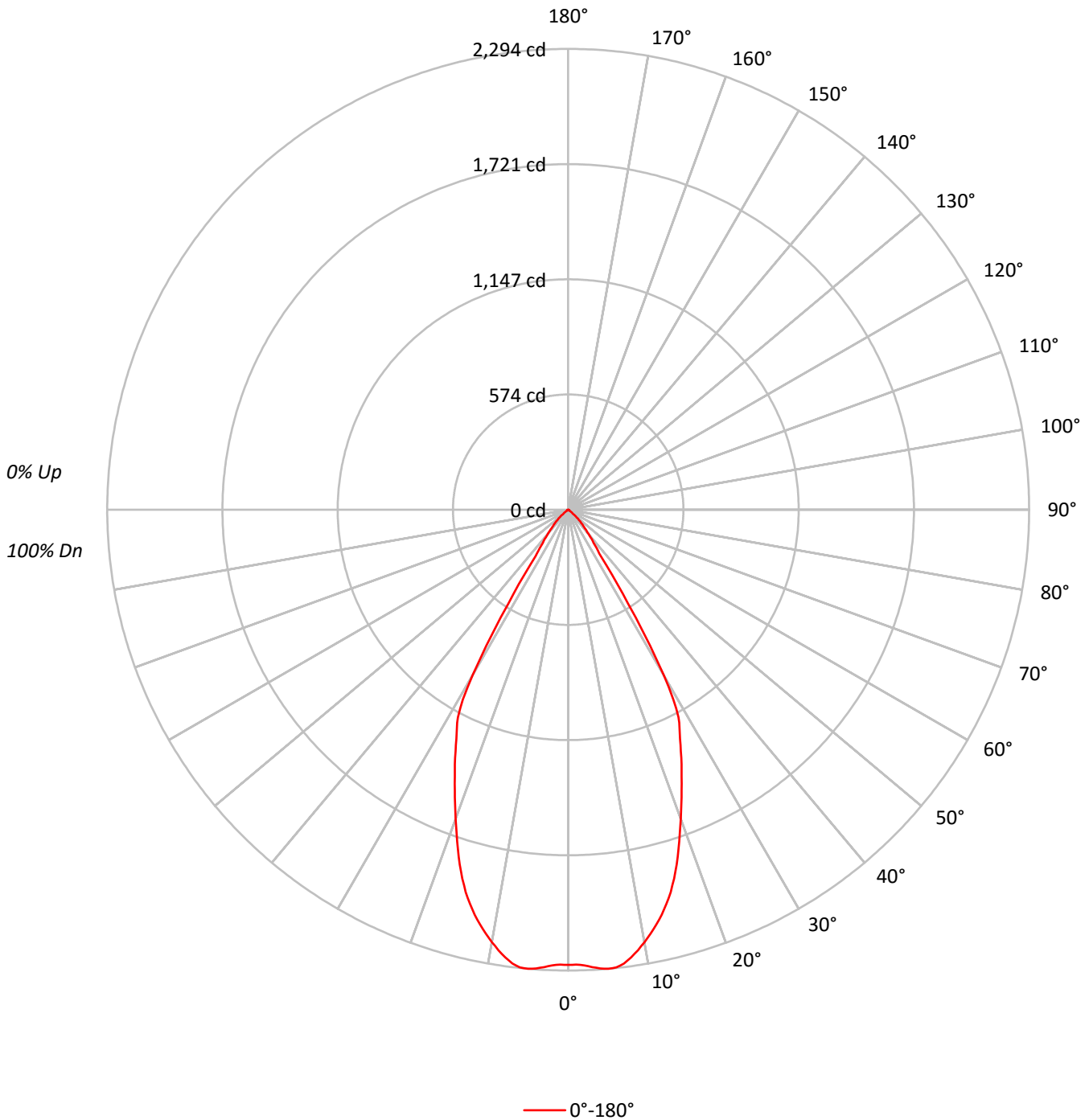
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	279464
5°	284036
10°	273793
15°	251652
20°	214849
25°	180505
30°	135107
35°	42403
40°	25119
45°	15263
50°	6371
55°	1054
60°	691
65°	409
70°	252
75°	334
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.5	12.8
10°-20°	543.5	32.3
20°-30°	605.4	35.9
30°-40°	241.5	14.3
40°-50°	69.0	4.1
50°-60°	7.6	0.5
60°-70°	1.5	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	1364.5	81.0
0°-40°	1606.0	95.3
0°-60°	1682.7	99.9
0°-90°	1684.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1684.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2266	
5°	2294	216
15°	1971	544
25°	1326	605
35°	282	242
45°	88	69
55°	5	8
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2265.7
1°	2265.0
2°	2269.3
3°	2279.9
4°	2289.7
5°	2294.0
6°	2291.2
7°	2276.3
8°	2250.9
9°	2219.9
10°	2186.0
11°	2149.3
12°	2111.2
13°	2068.8
14°	2022.2
15°	1970.7
16°	1910.7
17°	1846.5
18°	1776.6
19°	1705.3
20°	1636.8
21°	1570.5
22°	1507.0
23°	1444.9
24°	1386.3
25°	1326.3
26°	1269.8
27°	1221.1
28°	1170.3
29°	1080.6
30°	948.6
32.5°	554.8
35°	281.6
37.5°	208.2
40°	156.0
42.5°	115.8
45°	87.5
47.5°	64.9
50°	33.2
52.5°	8.5
55°	4.9
57.5°	3.5
60°	2.8
62.5°	2.1
65°	1.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)