

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: P221091

Luminaire Tested: **9004-W1-FL-LED3097-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED3097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

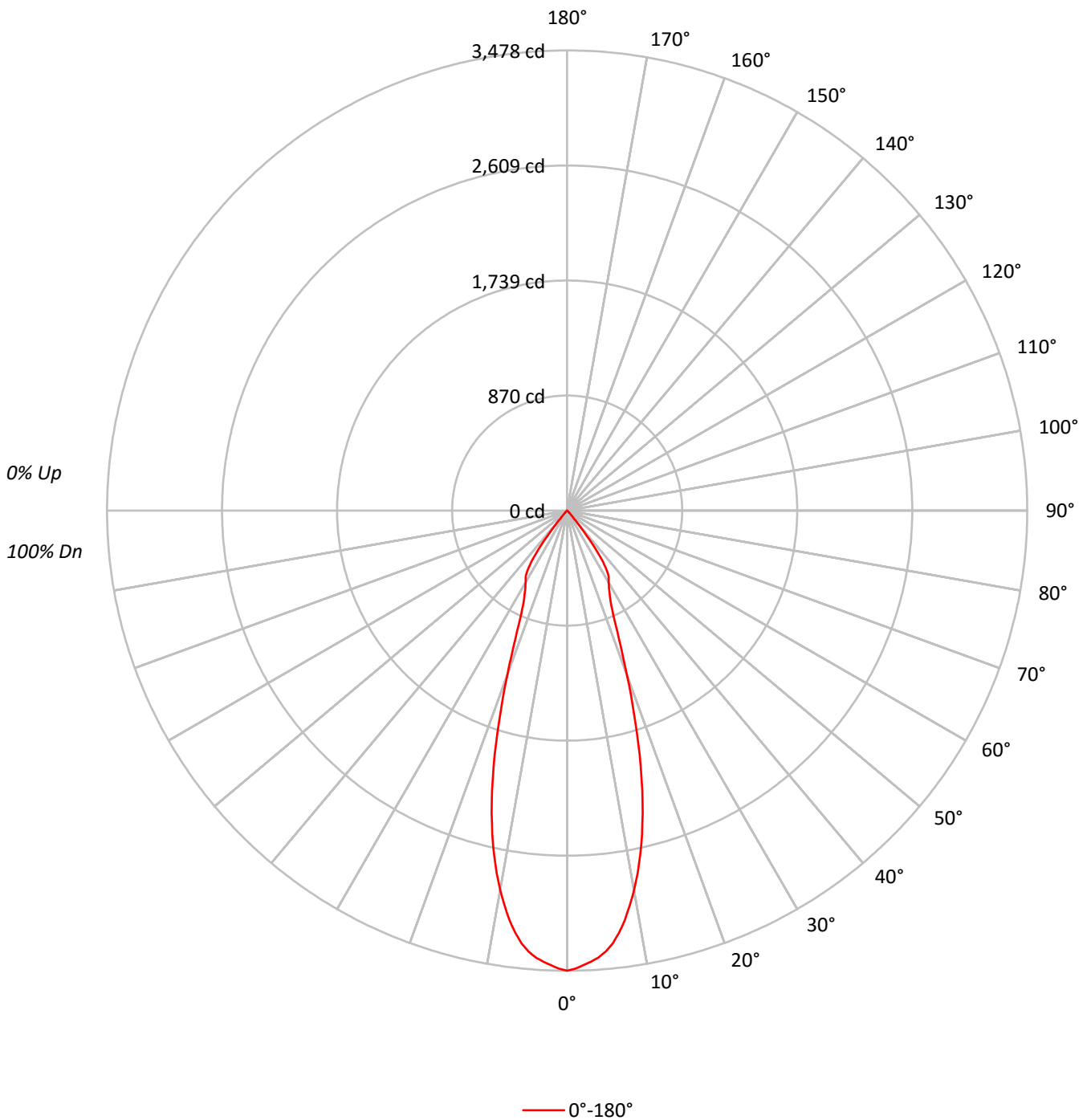
Lumens per Lamp: N/A
Luminaire Lumens: 1564.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	97	95	94	95	93	92	90
3	105	99	95	92	103	98	94	91	96	92	90	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	79	76	83	79	75	82	78	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	72	78	74	71	77	74	71	70
8	86	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67
9	82	74	69	65	81	74	69	65	73	68	65	72	68	65	71	67	65	64
10	79	71	66	63	78	70	66	62	70	65	62	69	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	428947
5°	414254
10°	364723
15°	280167
20°	173279
25°	107367
30°	89473
35°	71615
40°	15619
45°	3332
50°	633
55°	344
60°	271
65°	146
70°	180
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.5	19.5
10°-20°	588.4	37.6
20°-30°	386.4	24.7
30°-40°	260.5	16.7
40°-50°	20.6	1.3
50°-60°	1.4	0.1
60°-70°	0.7	0.0
70°-80°	0.5	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°	1280.3	81.9
0°-40°	1540.8	98.5
0°-60°	1562.9	99.9
0°-90°	1564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1564.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3478	
5°	3346	306
15°	2194	588
25°	789	386
35°	476	261
45°	19	21
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3477.6
1°	3462.3
2°	3440.0
3°	3415.5
4°	3386.6
5°	3345.7
6°	3289.6
7°	3216.6
8°	3126.7
9°	3022.6
10°	2912.0
11°	2790.6
12°	2658.2
13°	2513.8
14°	2360.1
15°	2194.0
16°	2019.1
17°	1838.2
18°	1657.3
19°	1487.4
20°	1320.1
21°	1175.2
22°	1045.0
23°	937.1
24°	853.7
25°	788.9
26°	742.0
27°	706.1
28°	675.6
29°	650.5
30°	628.2
32.5°	581.3
35°	475.6
37.5°	282.8
40°	97.0
42.5°	28.9
45°	19.1
47.5°	12.0
50°	3.3
52.5°	1.6
55°	1.6
57.5°	1.1
60°	1.1
62.5°	1.1
65°	0.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)