

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: P221037

Luminaire Tested: **9004-W1-FL-LED5080-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29496)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-FL-LED5080-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

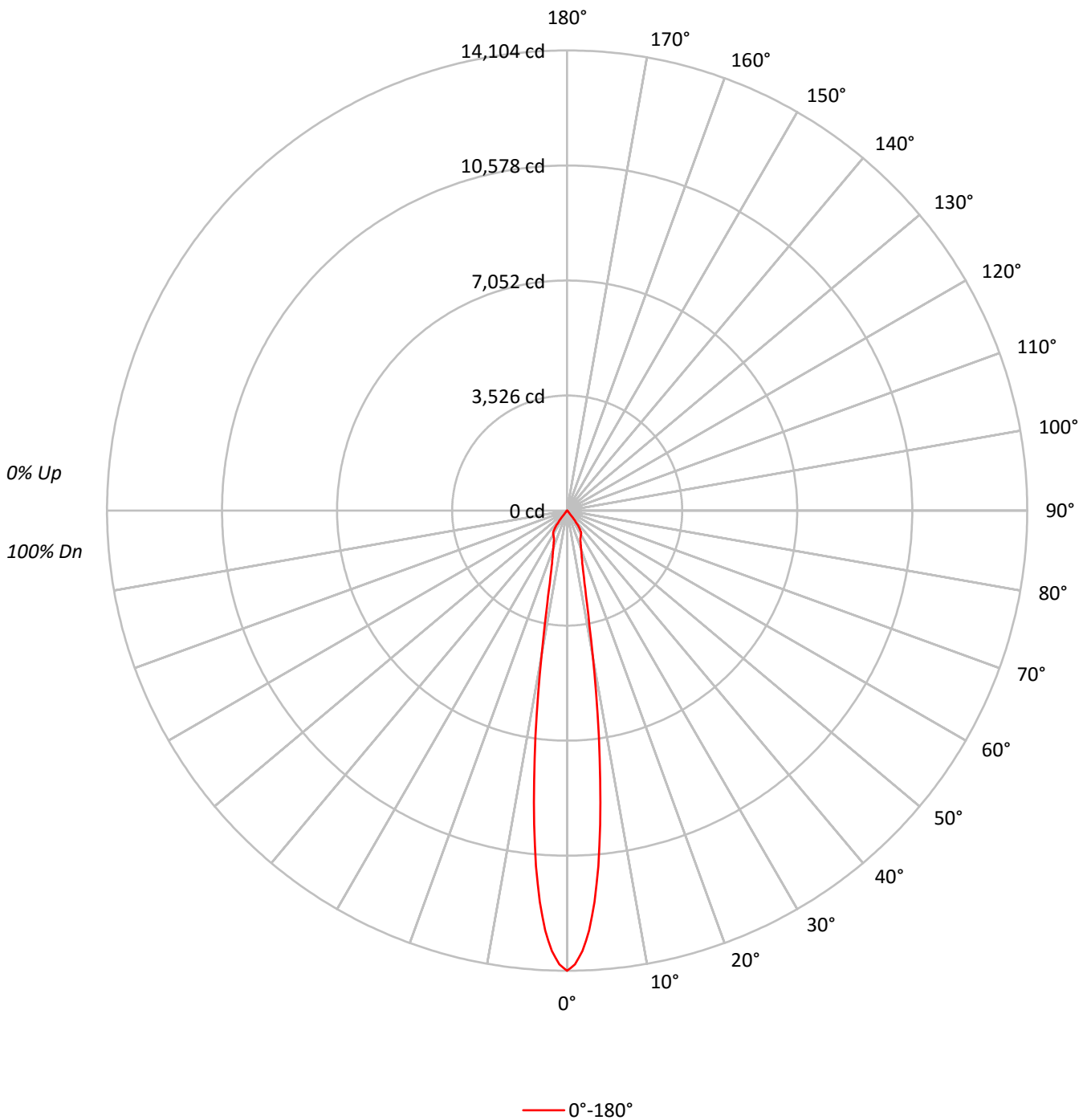
Lumens per Lamp: N/A
Luminaire Lumens: 2246.2 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1739728
5°	1354209
10°	564019
15°	238474
20°	163670
25°	130626
30°	120721
35°	98764
40°	20787
45°	4762
50°	1689
55°	1376
60°	789
65°	467
70°	289
75°	381
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.0	36.6
10°-20°	576.0	25.6
20°-30°	454.0	20.2
30°-40°	357.5	15.9
40°-50°	28.9	1.3
50°-60°	5.6	0.2
60°-70°	1.5	0.1
70°-80°	0.7	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°	1852.0	82.5
0°-40°	2209.5	98.4
0°-60°	2243.9	99.9
0°-90°	2246.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14104	
5°	10937	822
15°	1868	576
25°	960	454
35°	656	357
45°	27	29
55°	6	6
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14104.5
1°	13910.4
2°	13507.1
3°	12881.6
4°	12026.1
5°	10937.2
6°	9679.9
7°	8321.6
8°	6988.9
9°	5647.4
10°	4503.2
11°	3589.9
12°	2927.5
13°	2458.5
14°	2118.5
15°	1867.5
16°	1679.1
17°	1541.1
18°	1436.1
19°	1335.9
20°	1246.9
21°	1173.1
22°	1107.3
23°	1049.6
24°	999.1
25°	959.8
26°	930.1
27°	907.7
28°	886.0
29°	866.8
30°	847.6
32.5°	799.4
35°	655.9
37.5°	391.3
40°	129.1
42.5°	38.5
45°	27.3
47.5°	19.2
50°	8.8
52.5°	8.0
55°	6.4
57.5°	4.8
60°	3.2
62.5°	1.6
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)