

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: P220764

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220764
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]-LED4080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1128.3 lumens
Efficiency: N/A
Efficacy: 115.1 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

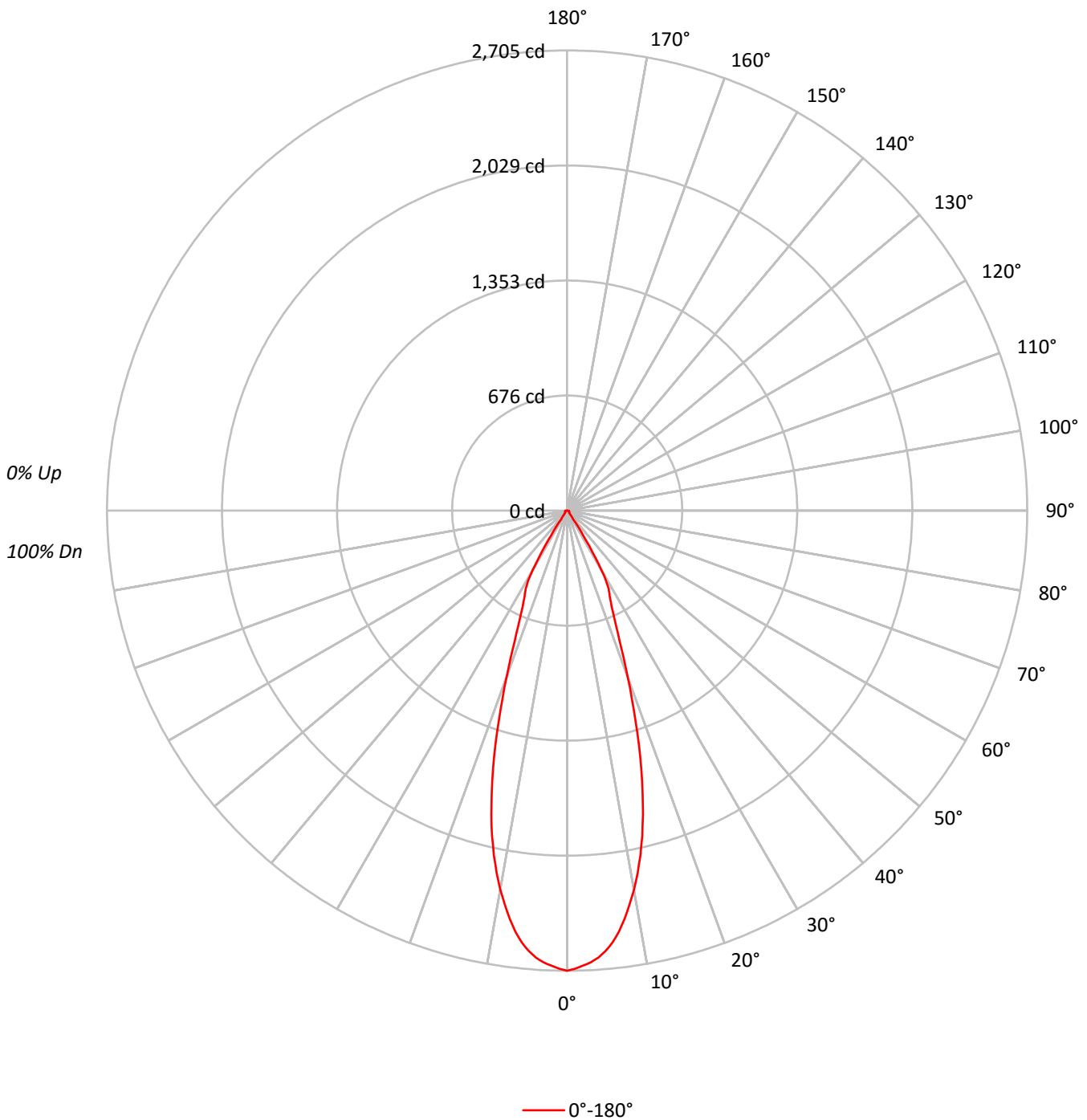
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220764

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-F-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220764

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-F-WT-L1-UNV

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°	333662
5°	321738
10°	283312
15°	218757
20°	136578
25°	84094
30°	57640
35°	9065
40°	4106
45°	2774
50°	2878
55°	3140
60°	3503
65°	3911
70°	4508
75°	5576
80°	6535
85°	6510



TEST NUMBER: P220764

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-F-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	21.0
10°-20°	460.0	40.8
20°-30°	297.9	26.4
30°-40°	76.6	6.8
40°-50°	13.1	1.2
50°-60°	13.2	1.2
60°-70°	13.3	1.2
70°-80°	11.9	1.1
80°-90°	5.0	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°	995.1	88.2
0°-40°	1071.8	95.0
0°-60°	1098.0	97.3
0°-90°	1128.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2705	
5°	2598	237
15°	1713	460
25°	618	298
35°	60	77
45°	16	13
55°	15	13
65°	13	13
75°	12	12
85°	5	5
90°	0	

TEST NUMBER: P220764

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	2705.1
1°	2693.0
2°	2677.1
3°	2658.3
4°	2634.1
5°	2598.5
6°	2553.4
7°	2494.4
8°	2423.8
9°	2345.2
10°	2262.0
11°	2170.9
12°	2070.6
13°	1961.9
14°	1842.7
15°	1713.1
16°	1579.4
17°	1441.8
18°	1303.9
19°	1168.0
20°	1040.5
21°	923.9
22°	822.3
23°	736.6
24°	669.3
25°	617.9
26°	577.3
27°	546.0
28°	519.6
29°	473.6
30°	404.7
32.5°	202.3
35°	60.2
37.5°	38.5
40°	25.5
42.5°	16.3
45°	15.9
47.5°	15.5
50°	15.0
52.5°	15.0
55°	14.6
57.5°	14.6
60°	14.2
62.5°	13.8
65°	13.4



TEST NUMBER: P220764

CATALOG NUMBER: 9004-W1-[RW, RI]-LED4080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.0
70°	12.5
72.5°	12.1
75°	11.7
77.5°	10.5
80°	9.2
82.5°	7.1
85°	4.6
87.5°	2.1
90°	0.0

(END OF REPORT)