

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: P221034

Luminaire Tested: **9004-W1-FL-LED3090-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221034
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-LED3090-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

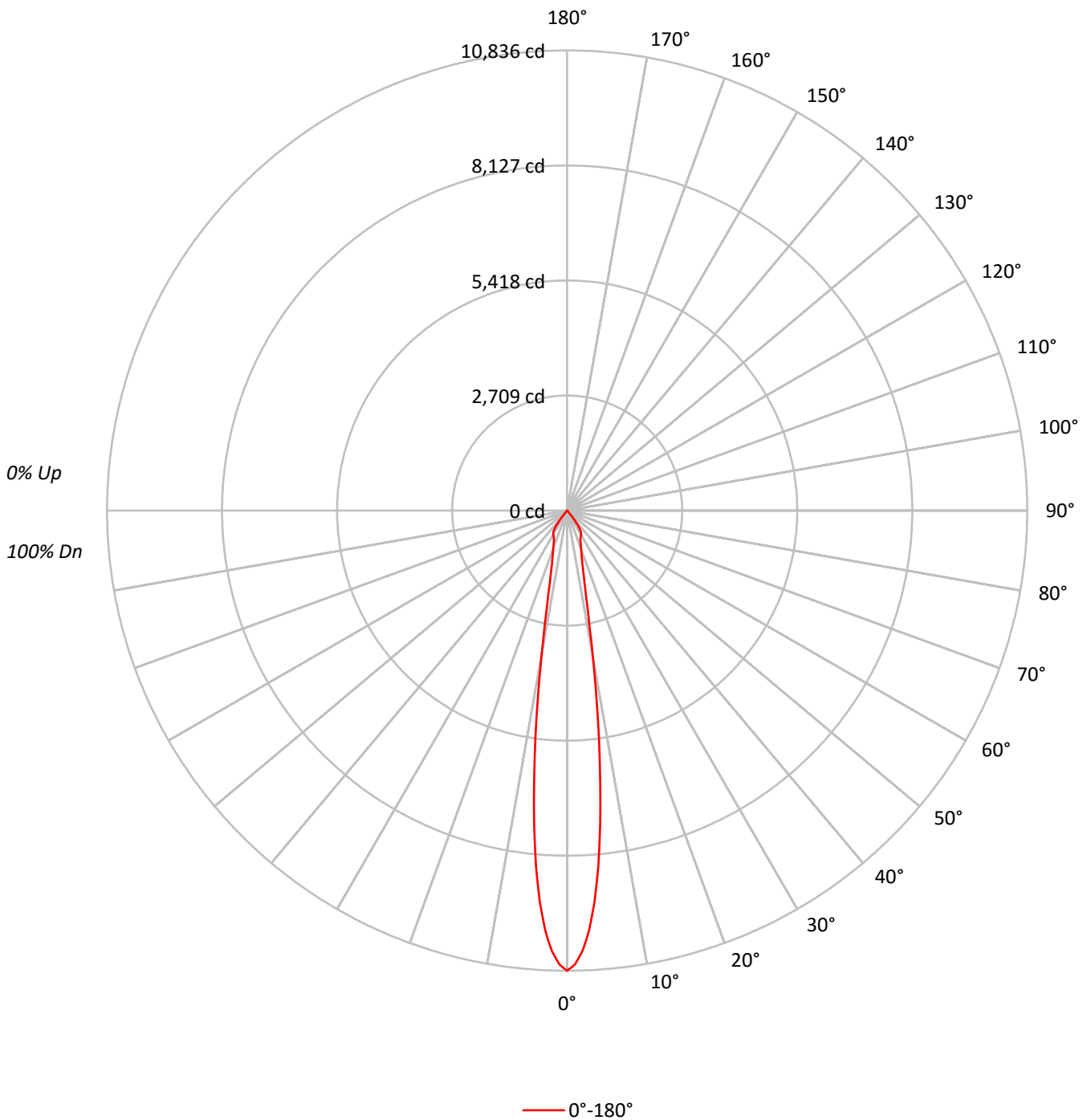
Lumens per Lamp: N/A
Luminaire Lumens: 1725.6 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (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: P221034
CATALOG NUMBER: 9004-W1-FL-LED3090-S-BK-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221034

CATALOG NUMBER: 9004-W1-FL-LED3090-S-BK-L2-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	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°	1336512
5°	1040346
10°	433297
15°	183207
20°	125736
25°	100358
30°	92734
35°	75876
40°	15973
45°	3646
50°	1305
55°	1054
60°	617
65°	350
70°	216
75°	286
80°	0
85°	0



TEST NUMBER: P221034

CATALOG NUMBER: 9004-W1-FL-LED3090-S-BK-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.5	36.6
10°-20°	442.5	25.6
20°-30°	348.8	20.2
30°-40°	274.6	15.9
40°-50°	22.2	1.3
50°-60°	4.3	0.3
60°-70°	1.1	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°	1422.8	82.5
0°-40°	1697.4	98.4
0°-60°	1723.9	99.9
0°-90°	1725.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1725.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10836	
5°	8402	631
15°	1435	443
25°	737	349
35°	504	275
45°	21	22
55°	5	4
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P221034

CATALOG NUMBER: 9004-W1-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	10835.5
1°	10686.4
2°	10376.6
3°	9896.1
4°	9238.8
5°	8402.3
6°	7436.4
7°	6392.9
8°	5369.1
9°	4338.5
10°	3459.5
11°	2757.8
12°	2249.0
13°	1888.7
14°	1627.5
15°	1434.7
16°	1289.9
17°	1184.0
18°	1103.3
19°	1026.3
20°	957.9
21°	901.2
22°	850.7
23°	806.3
24°	767.5
25°	737.4
26°	714.6
27°	697.3
28°	680.7
29°	665.9
30°	651.1
32.5°	614.2
35°	503.9
37.5°	300.6
40°	99.2
42.5°	29.6
45°	20.9
47.5°	14.8
50°	6.8
52.5°	6.2
55°	4.9
57.5°	3.7
60°	2.5
62.5°	1.2
65°	1.2



TEST NUMBER: P221034

CATALOG NUMBER: 9004-W1-FL-LED3090-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)