

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: P221038

Luminaire Tested: **9004-W1-FL-LED2797-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221038
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-LED2797-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC,
BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

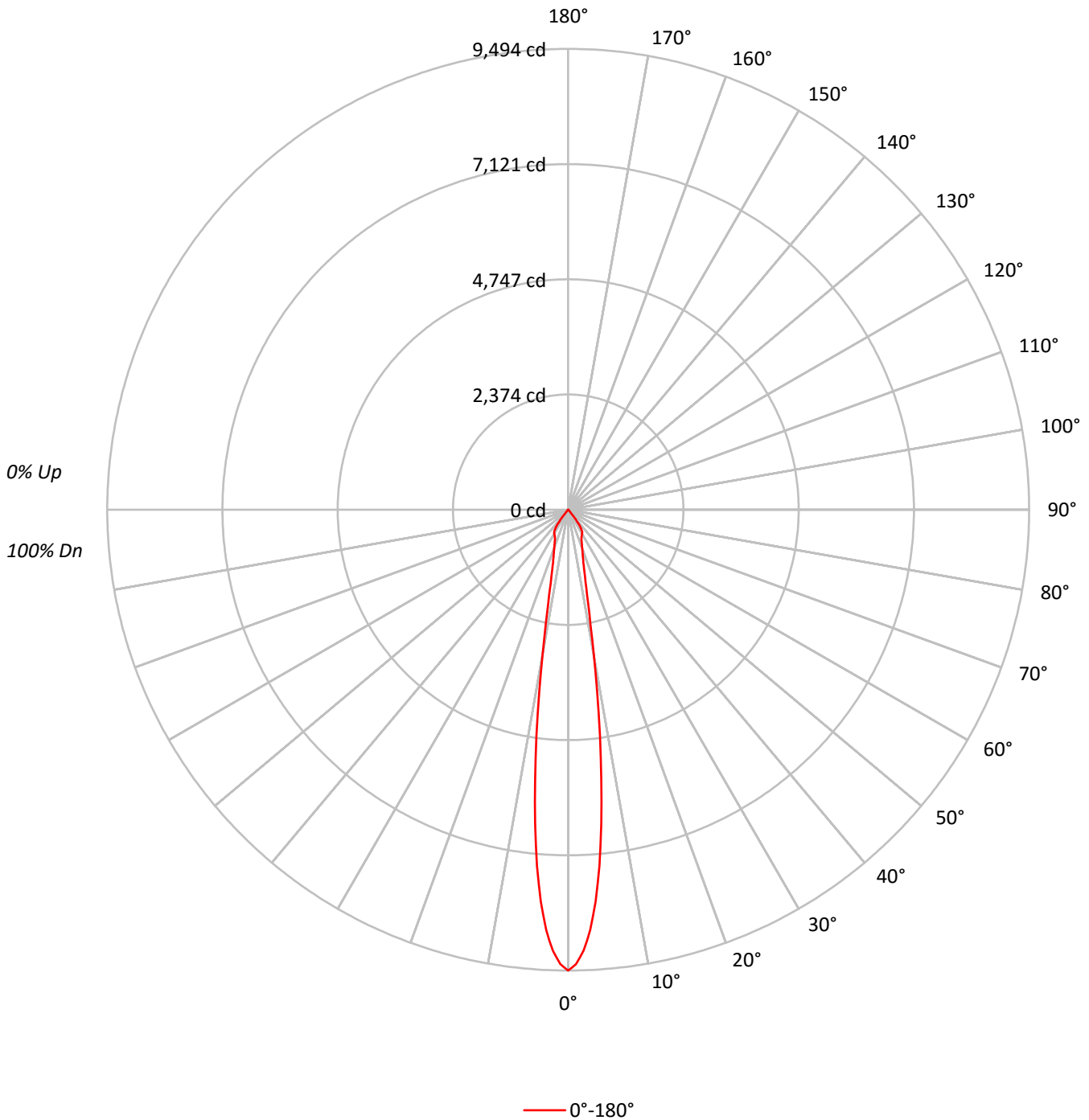
Lumens per Lamp: N/A
Luminaire Lumens: 1511.9 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	1171019
5°	911527
10°	379641
15°	160515
20°	110168
25°	87932
30°	81255
35°	66480
40°	13992
45°	3210
50°	1132
55°	925
60°	543
65°	321
70°	180
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.3	36.6
10°-20°	387.7	25.6
20°-30°	305.6	20.2
30°-40°	240.6	15.9
40°-50°	19.4	1.3
50°-60°	3.8	0.2
60°-70°	1.0	0.1
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°	1246.6	82.5
0°-40°	1487.2	98.4
0°-60°	1510.4	99.9
0°-90°	1511.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9494	
5°	7362	553
15°	1257	388
25°	646	306
35°	442	241
45°	18	19
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9493.8
1°	9363.2
2°	9091.7
3°	8670.7
4°	8094.9
5°	7361.9
6°	6515.6
7°	5601.3
8°	4704.3
9°	3801.3
10°	3031.1
11°	2416.4
12°	1970.6
13°	1654.8
14°	1426.0
15°	1257.0
16°	1130.2
17°	1037.4
18°	966.7
19°	899.2
20°	839.3
21°	789.6
22°	745.4
23°	706.5
24°	672.5
25°	646.1
26°	626.1
27°	611.0
28°	596.4
29°	583.4
30°	570.5
32.5°	538.1
35°	441.5
37.5°	263.4
40°	86.9
42.5°	25.9
45°	18.4
47.5°	13.0
50°	5.9
52.5°	5.4
55°	4.3
57.5°	3.2
60°	2.2
62.5°	1.1
65°	1.1



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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)