

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: P220731

Luminaire Tested: **9004-W1-[RW, RI]-LED2797-S-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)
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]-LED2797-S-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1847.0 lumens
Efficiency: N/A
Efficacy: 64.6 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

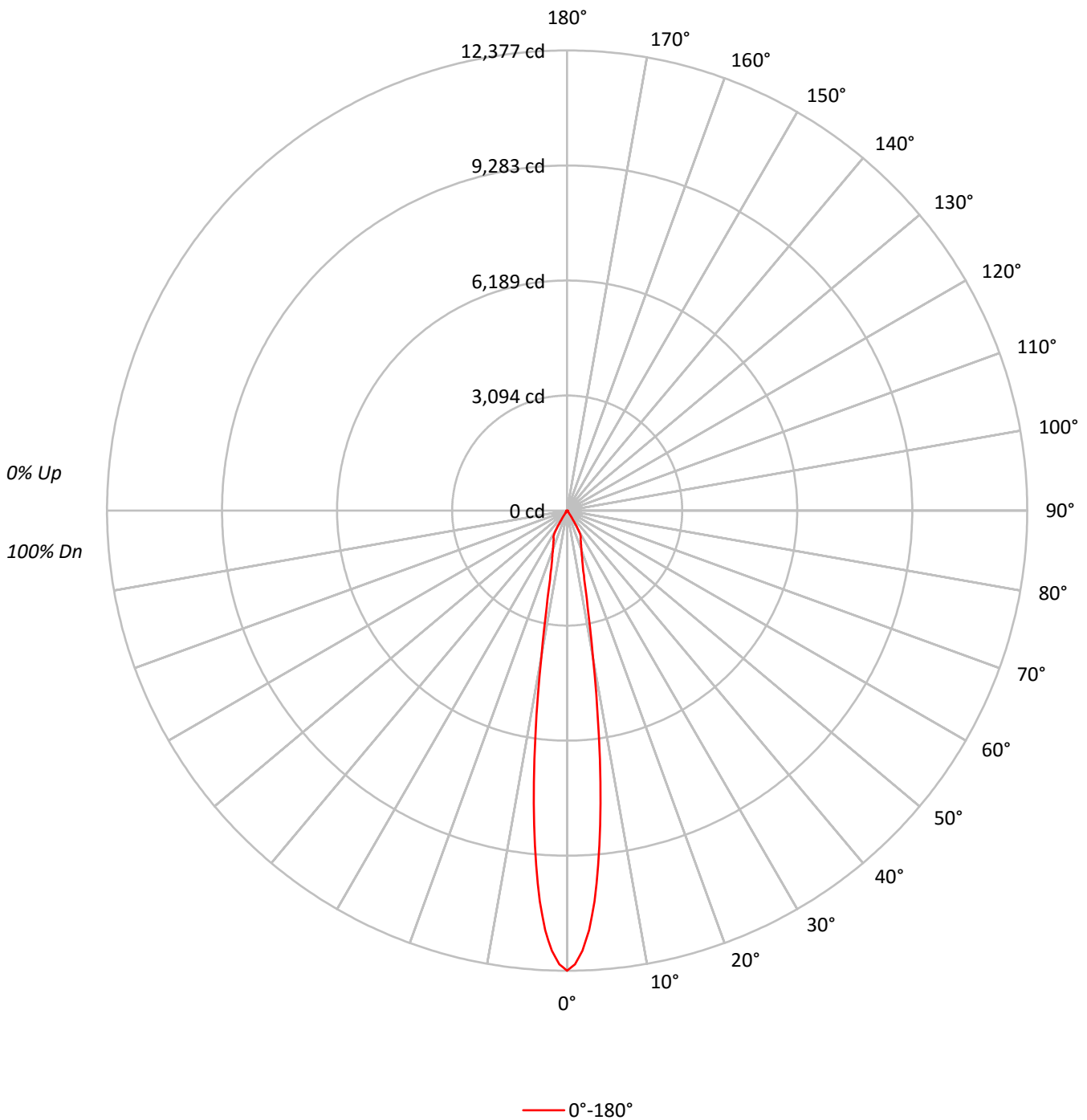
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95
	2	110	106	103	100	108	104	101	99	101	99	97	98	96	94	96	94	93	91	91
	3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87	87
	4	102	96	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	84
	5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81	81
	6	96	89	85	81	95	88	84	81	87	83	81	86	83	80	85	82	80	78	78
	7	93	86	82	78	92	86	81	78	84	81	78	83	80	77	82	79	77	76	76
	8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74	74
	9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72
	10	86	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1526612
5°	1186301
10°	502710
15°	214926
20°	146764
25°	116962
30°	87436
35°	11579
40°	6199
45°	4518
50°	4836
55°	5269
60°	5871
65°	6742
70°	7826
75°	9341
80°	10939
85°	10897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.0	39.1
10°-20°	518.1	28.1
20°-30°	399.8	21.6
30°-40°	110.8	6.0
40°-50°	21.5	1.2
50°-60°	22.0	1.2
60°-70°	22.8	1.2
70°-80°	20.4	1.1
80°-90°	8.6	0.5
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°	1640.9	88.8
0°-40°	1751.7	94.8
0°-60°	1795.2	97.2
0°-90°	1847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1847.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12377	
5°	9581	723
15°	1683	518
25°	859	400
35°	77	111
45°	26	22
55°	24	22
65°	23	23
75°	20	20
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12376.7
1°	12203.3
2°	11843.9
3°	11297.7
4°	10538.4
5°	9581.1
6°	8500.1
7°	7358.9
8°	6123.3
9°	5003.1
10°	4013.7
11°	3234.0
12°	2642.5
13°	2214.5
14°	1911.7
15°	1683.1
16°	1513.2
17°	1385.9
18°	1285.9
19°	1198.5
20°	1118.1
22.5°	968.5
25°	859.4
26°	831.4
27°	807.6
28°	779.0
29°	716.7
30°	613.9
32.5°	295.1
35°	76.9
37.5°	49.6
40°	38.5
42.5°	28.7
45°	25.9
47.5°	25.2
50°	25.2
52.5°	24.5
55°	24.5
57.5°	24.5
60°	23.8
62.5°	23.8
65°	23.1
67.5°	22.4
70°	21.7
72.5°	21.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	19.6
77.5°	18.2
80°	15.4
82.5°	12.6
85°	7.7
87.5°	3.5
90°	0.0

(END OF REPORT)