

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: P220709

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220709
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]-LED2790-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 833.0 lumens
Efficiency: N/A
Efficacy: 85.0 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

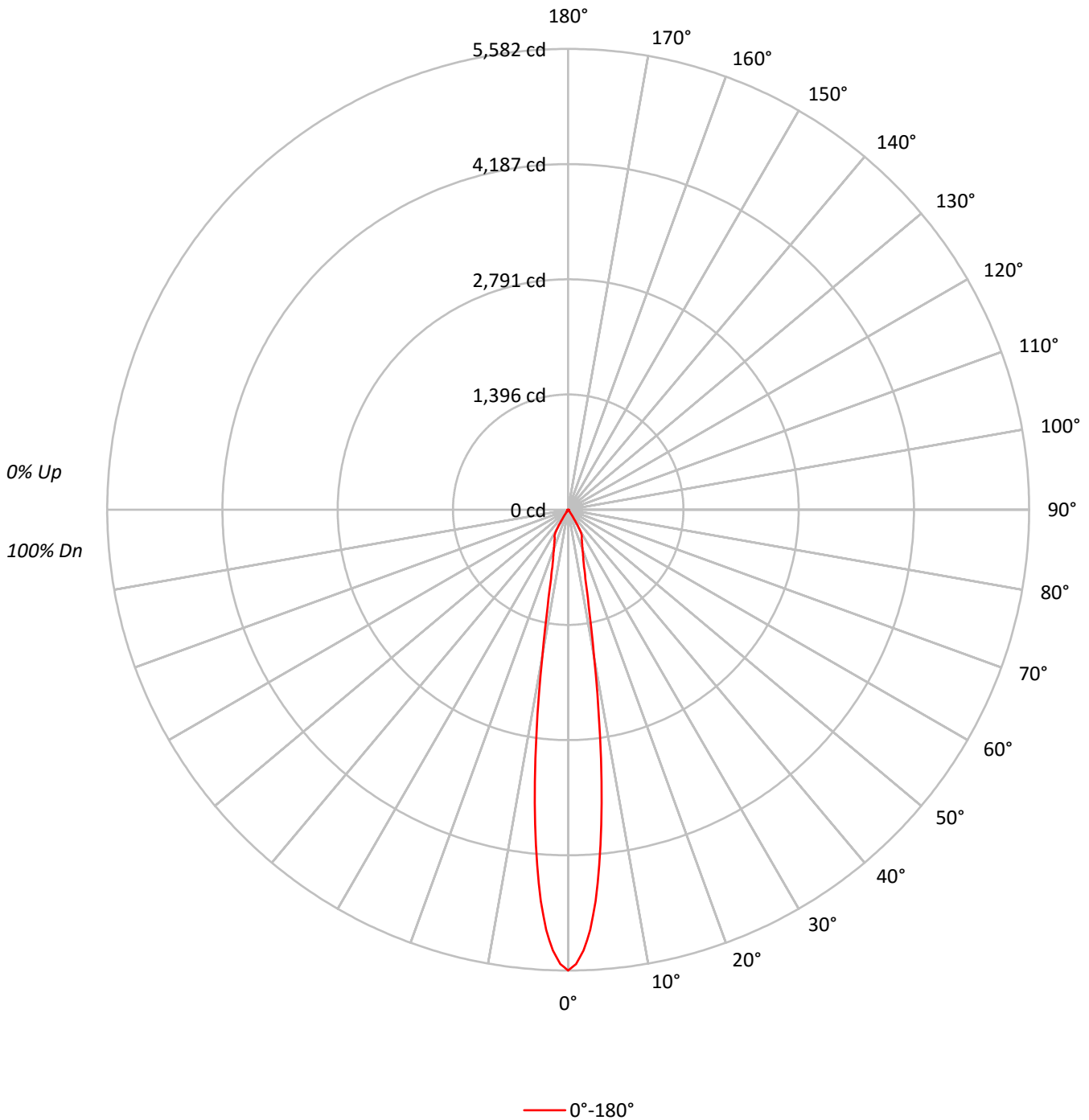
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	688552
5°	535062
10°	226737
15°	96935
20°	66195
25°	52751
30°	39438
35°	5225
40°	2786
45°	2041
50°	2188
55°	2366
60°	2640
65°	3035
70°	3534
75°	4194
80°	4901
85°	4953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.1	39.1
10°-20°	233.7	28.1
20°-30°	180.3	21.6
30°-40°	50.0	6.0
40°-50°	9.7	1.2
50°-60°	9.9	1.2
60°-70°	10.3	1.2
70°-80°	9.2	1.1
80°-90°	3.9	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°	740.1	88.8
0°-40°	790.1	94.8
0°-60°	809.6	97.2
0°-90°	833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	833.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5582	
5°	4321	326
15°	759	234
25°	388	180
35°	35	50
45°	12	10
55°	11	10
65°	10	10
75°	9	9
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5582.3
1°	5504.1
2°	5342.0
3°	5095.7
4°	4753.2
5°	4321.4
6°	3833.8
7°	3319.1
8°	2761.8
9°	2256.6
10°	1810.3
11°	1458.7
12°	1191.8
13°	998.8
14°	862.3
15°	759.1
16°	682.5
17°	625.1
18°	580.0
19°	540.6
20°	504.3
22.5°	436.8
25°	387.6
26°	375.0
27°	364.3
28°	351.3
29°	323.3
30°	276.9
32.5°	133.1
35°	34.7
37.5°	22.4
40°	17.3
42.5°	12.9
45°	11.7
47.5°	11.4
50°	11.4
52.5°	11.0
55°	11.0
57.5°	11.0
60°	10.7
62.5°	10.7
65°	10.4
67.5°	10.1
70°	9.8
72.5°	9.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	8.8
77.5°	8.2
80°	6.9
82.5°	5.7
85°	3.5
87.5°	1.6
90°	0.0

(END OF REPORT)