

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: P220718

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220718
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-L2-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: 1538.1 lumens
Efficiency: N/A
Efficacy: 76.5 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

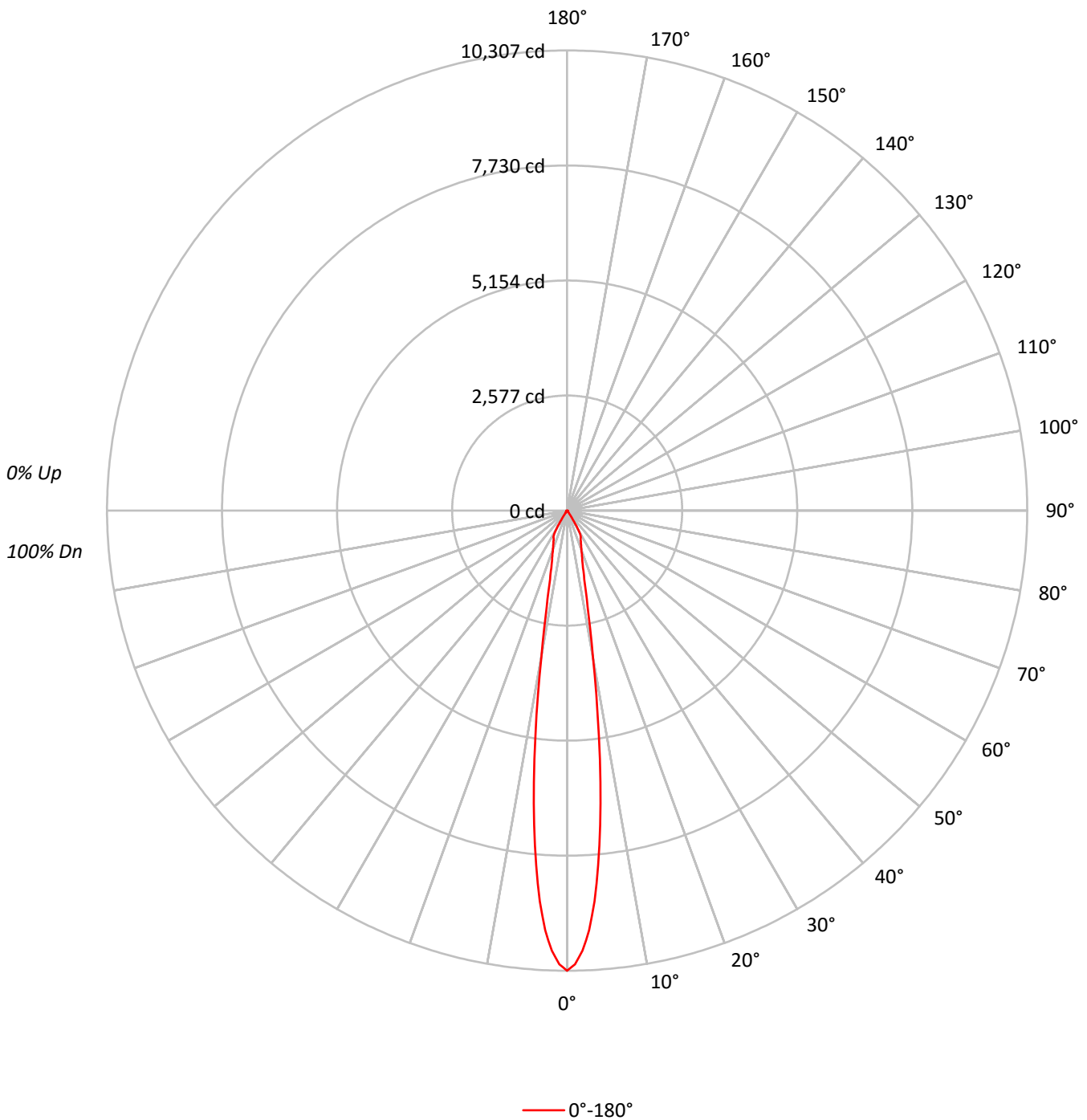
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1271348
5°	987947
10°	418655
15°	178993
20°	122218
25°	97405
30°	72823
35°	9652
40°	5153
45°	3750
50°	4030
55°	4387
60°	4884
65°	5604
70°	6528
75°	7768
80°	9092
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.1	39.1
10°-20°	431.5	28.1
20°-30°	332.9	21.6
30°-40°	92.3	6.0
40°-50°	17.9	1.2
50°-60°	18.3	1.2
60°-70°	19.0	1.2
70°-80°	17.0	1.1
80°-90°	7.1	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°	1366.5	88.8
0°-40°	1458.8	94.8
0°-60°	1495.0	97.2
0°-90°	1538.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10307	
5°	7979	602
15°	1402	431
25°	716	333
35°	64	92
45°	22	18
55°	20	18
65°	19	19
75°	16	17
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10307.2
1°	10162.8
2°	9863.5
3°	9408.7
4°	8776.3
5°	7979.1
6°	7078.8
7°	6128.4
8°	5099.5
9°	4166.6
10°	3342.6
11°	2693.3
12°	2200.6
13°	1844.2
14°	1592.1
15°	1401.7
16°	1260.2
17°	1154.2
18°	1070.9
19°	998.1
20°	931.1
22.5°	806.5
25°	715.7
26°	692.4
27°	672.6
28°	648.7
29°	596.9
30°	511.3
32.5°	245.7
35°	64.1
37.5°	41.3
40°	32.0
42.5°	23.9
45°	21.5
47.5°	21.0
50°	21.0
52.5°	20.4
55°	20.4
57.5°	20.4
60°	19.8
62.5°	19.8
65°	19.2
67.5°	18.6
70°	18.1
72.5°	17.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	16.3
77.5°	15.1
80°	12.8
82.5°	10.5
85°	6.4
87.5°	2.9
90°	0.0

(END OF REPORT)