

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: P220727

Luminaire Tested: **9004-W1-[RW, RI]-LED2790-S-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220727
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-L3-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: 1992.7 lumens
Efficiency: N/A
Efficacy: 69.7 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

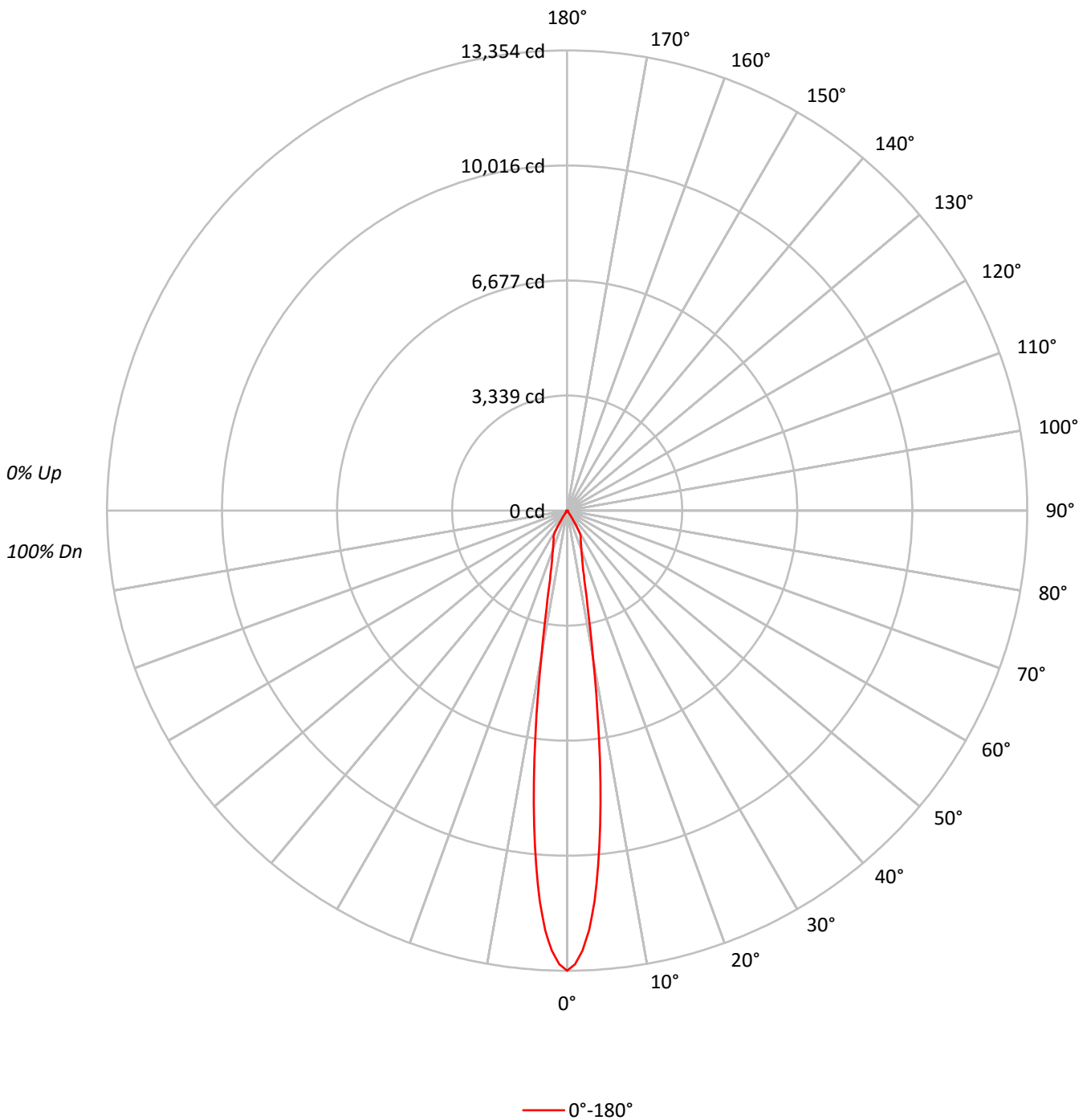
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1647108
5°	1279931
10°	542388
15°	231885
20°	158341
25°	126189
30°	94344
35°	12498
40°	6682
45°	4867
50°	5219
55°	5677
60°	6340
65°	7267
70°	8439
75°	10056
80°	11791
85°	11746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	780.1	39.1
10°-20°	559.0	28.1
20°-30°	431.3	21.6
30°-40°	119.5	6.0
40°-50°	23.2	1.2
50°-60°	23.7	1.2
60°-70°	24.6	1.2
70°-80°	22.0	1.1
80°-90°	9.3	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°	1770.4	88.8
0°-40°	1890.0	94.8
0°-60°	1936.8	97.2
0°-90°	1992.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13354	
5°	10337	780
15°	1816	559
25°	927	431
35°	83	120
45°	28	23
55°	26	24
65°	25	25
75°	21	22
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13353.6
1°	13166.5
2°	12778.7
3°	12189.5
4°	11370.1
5°	10337.3
6°	9170.9
7°	7939.7
8°	6606.6
9°	5398.0
10°	4330.5
11°	3489.3
12°	2851.0
13°	2389.3
14°	2062.6
15°	1815.9
16°	1632.6
17°	1495.3
18°	1387.4
19°	1293.1
20°	1206.3
22.5°	1044.9
25°	927.2
26°	897.0
27°	871.4
28°	840.4
29°	773.3
30°	662.4
32.5°	318.4
35°	83.0
37.5°	53.6
40°	41.5
42.5°	30.9
45°	27.9
47.5°	27.2
50°	27.2
52.5°	26.4
55°	26.4
57.5°	26.4
60°	25.7
62.5°	25.7
65°	24.9
67.5°	24.1
70°	23.4
72.5°	22.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	21.1
77.5°	19.6
80°	16.6
82.5°	13.6
85°	8.3
87.5°	3.8
90°	0.0

(END OF REPORT)