

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: P220369

Luminaire Tested: **9002-W1-FL-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED2790-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH 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: 360.2 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

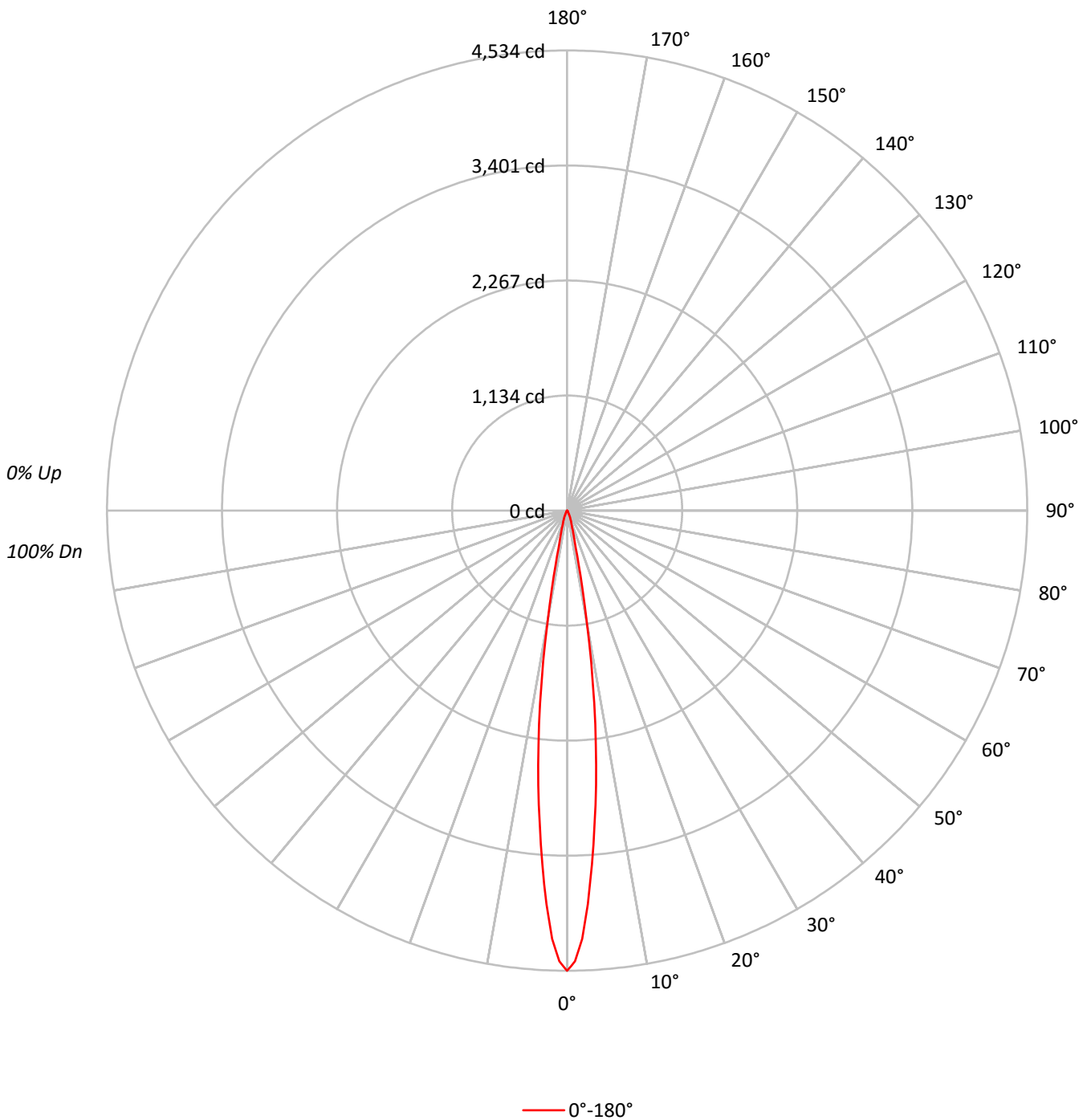
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
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	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	97	96	96	96
3	110	106	102	100	108	104	101	99	102	100	98	100	98	96	98	96	95	95	94	94	94
4	107	103	99	97	106	102	98	96	100	97	95	98	96	94	96	94	93	93	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	90	90	90
6	103	98	94	92	102	97	94	92	96	93	91	95	92	90	94	92	90	89	88	88	88
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	88	87	87	87
8	99	94	91	88	98	94	90	88	93	90	88	92	89	88	91	89	87	86	85	85	85
9	98	92	89	87	97	92	89	87	91	89	87	91	88	86	90	88	86	85	84	84	84
10	96	91	88	86	95	91	88	86	90	87	86	89	87	85	89	87	85	84	83	83	83

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2237032
5°	1537300
10°	560458
15°	115284
20°	55655
25°	27600
30°	10369
35°	5481
40°	4380
45°	3140
50°	2917
55°	2581
60°	2960
65°	3502
70°	3318
75°	2859
80°	2273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	64.7
10°-20°	85.4	23.7
20°-30°	24.4	6.8
30°-40°	6.4	1.8
40°-50°	3.8	1.0
50°-60°	3.0	0.8
60°-70°	2.7	0.8
70°-80°	1.6	0.4
80°-90°	0.1	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°	342.7	95.1
0°-40°	349.0	96.9
0°-60°	355.7	98.8
0°-90°	360.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	360.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4534	
5°	3104	233
15°	226	85
25°	51	24
35°	9	6
45°	4	4
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4534.1
1°	4441.7
2°	4222.0
3°	3884.9
4°	3494.9
5°	3104.0
6°	2717.7
7°	2325.4
8°	1916.3
9°	1506.6
10°	1118.7
11°	784.7
12°	540.1
13°	380.2
14°	284.0
15°	225.7
17.5°	146.9
20°	106.0
22.5°	78.0
25°	50.7
27.5°	30.3
30°	18.2
32.5°	12.1
35°	9.1
37.5°	7.6
40°	6.8
42.5°	5.3
45°	4.5
47.5°	4.5
50°	3.8
52.5°	3.8
55°	3.0
57.5°	3.0
60°	3.0
62.5°	3.0
65°	3.0
67.5°	2.3
70°	2.3
72.5°	2.3
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)