

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: P220322

Luminaire Tested: **9002-W1-[RW, RI]-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 835.1 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

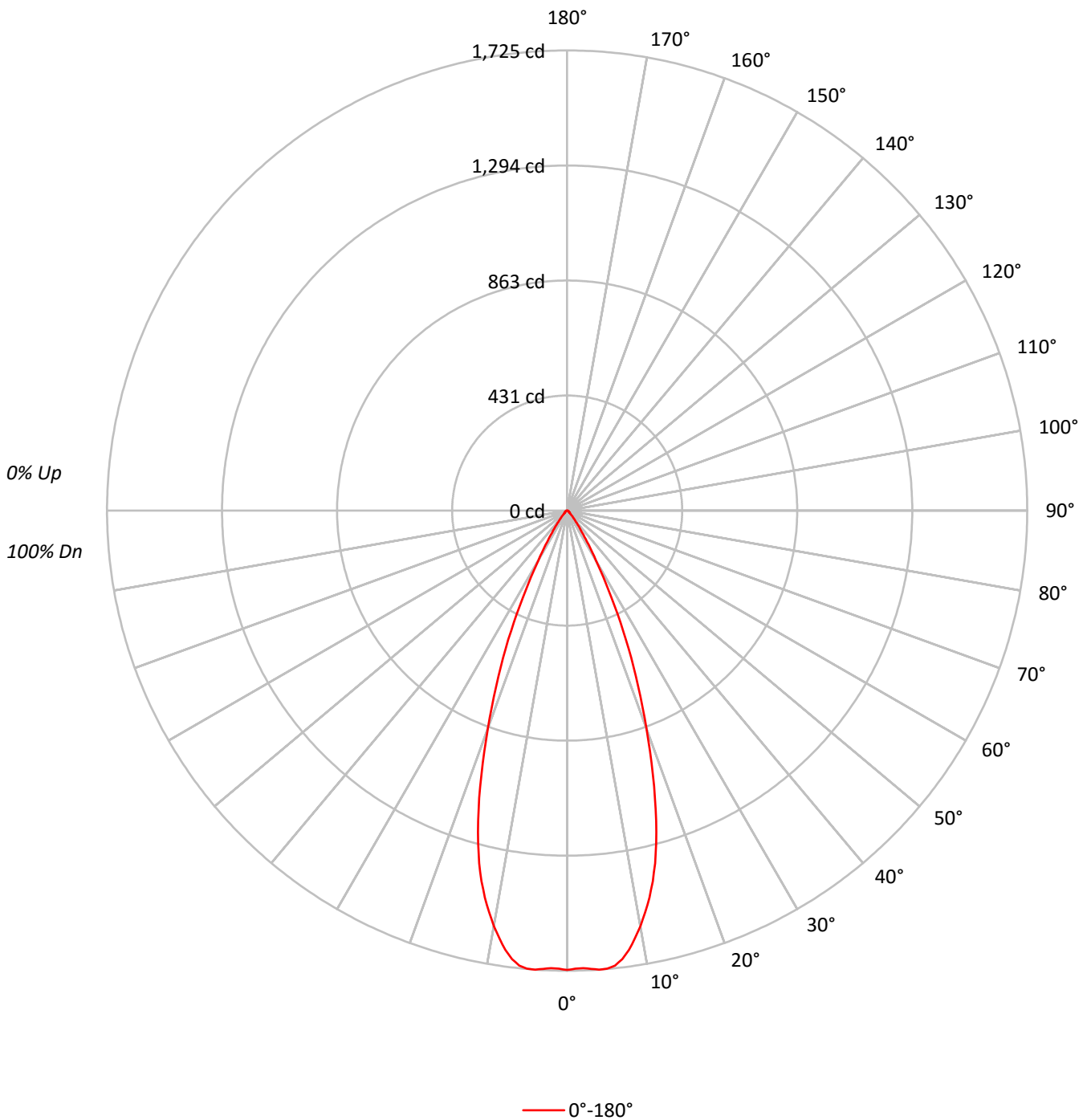
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87	85	82	81
5	97	90	85	81	95	89	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76		82	78	75		81	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72		79	75	72		78	74	72	70
8	86	78	73	69	85	78	73	69	76	72	69		76	72	69		75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66		73	69	66		72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63		70	66	63		69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	849550
5°	853984
10°	792317
15°	659422
20°	455843
25°	270396
30°	122487
35°	54629
40°	24796
45°	12908
50°	8597
55°	8258
60°	7894
65°	7472
70°	8078
75°	9150
80°	9092
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.1	19.2
10°-20°	347.6	41.6
20°-30°	227.2	27.2
30°-40°	62.8	7.5
40°-50°	15.9	1.9
50°-60°	8.4	1.0
60°-70°	6.6	0.8
70°-80°	4.8	0.6
80°-90°	1.7	0.2
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°	734.8	88.0
0°-40°	797.7	95.5
0°-60°	821.9	98.4
0°-90°	835.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1722	
5°	1724	160
15°	1291	348
25°	497	227
35°	91	63
45°	18	16
55°	10	8
65°	6	7
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1721.9
1°	1717.9
2°	1716.3
3°	1720.3
4°	1725.1
5°	1724.3
6°	1714.7
7°	1694.6
8°	1663.3
9°	1624.0
10°	1581.5
11°	1534.1
12°	1482.8
13°	1426.6
14°	1362.4
15°	1291.0
16°	1210.8
17°	1126.5
18°	1039.9
19°	954.0
20°	868.2
22.5°	672.4
25°	496.7
26°	431.7
27°	366.7
28°	308.9
29°	256.8
30°	215.0
32.5°	137.2
35°	90.7
37.5°	58.6
40°	38.5
42.5°	26.5
45°	18.5
47.5°	13.6
50°	11.2
52.5°	9.6
55°	9.6
57.5°	8.8
60°	8.0
62.5°	7.2
65°	6.4
67.5°	6.4
70°	5.6
72.5°	4.8



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.8
77.5°	4.0
80°	3.2
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)