

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: P220426

Luminaire Tested: **9002-W1-FL-LED3090-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED3090-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 759.7 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

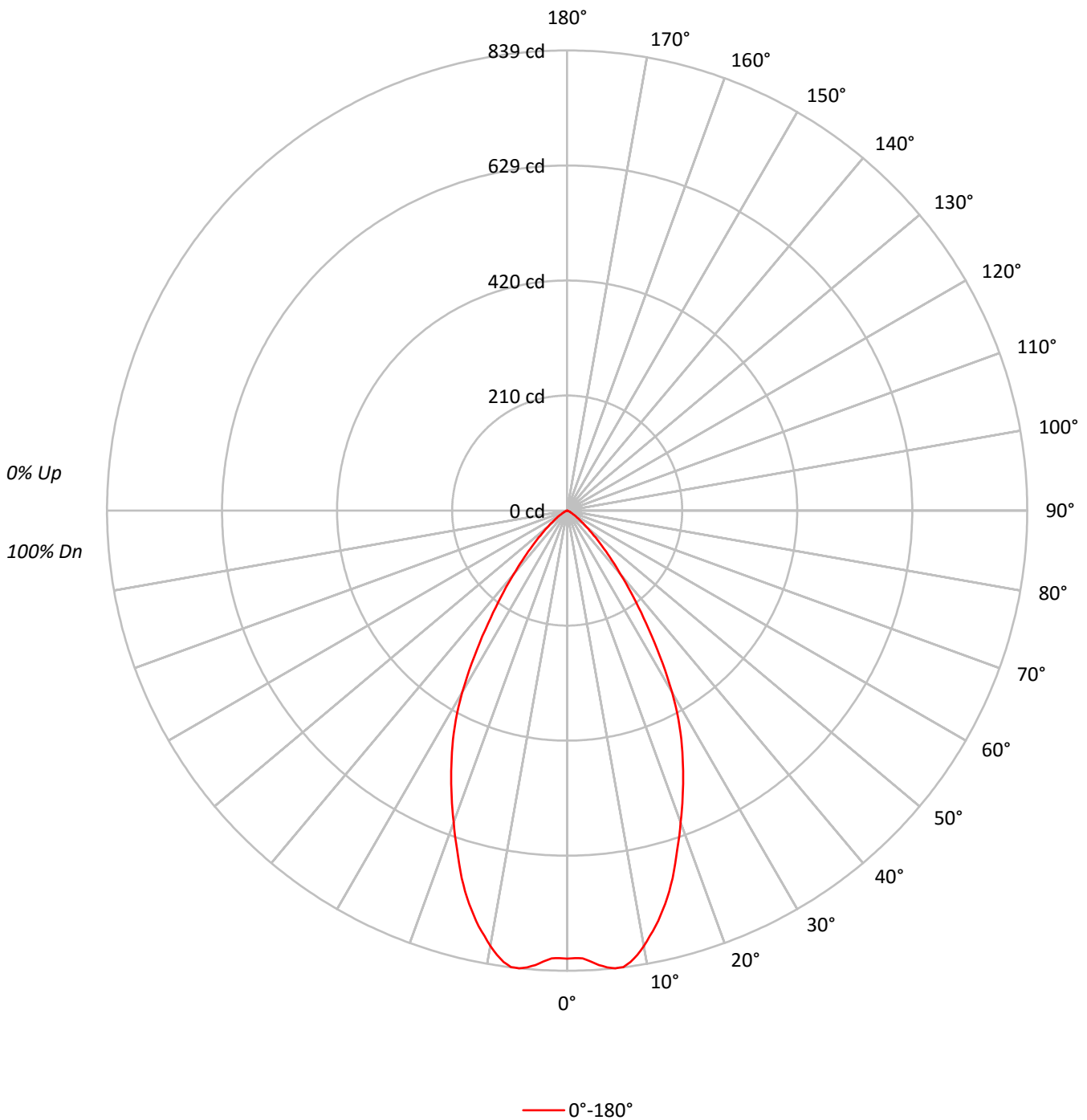
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	82		86	84	81	80
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72	68	65	63
7	82	72	66	62	81	72	66	62	70	65	61		69	64	61		68	64	61	59
8	78	68	62	58	77	67	62	57	66	61	57		65	60	57		64	60	57	55
9	74	64	58	54	73	64	58	54	63	57	54		62	57	53		61	56	53	52
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	402992
5°	414090
10°	403999
15°	367203
20°	317651
25°	271267
30°	218026
35°	151239
40°	97640
45°	59378
50°	34464
55°	19354
60°	10262
65°	5604
70°	2308
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	10.4
10°-20°	199.1	26.2
20°-30°	227.1	29.9
30°-40°	158.9	20.9
40°-50°	68.5	9.0
50°-60°	21.6	2.8
60°-70°	5.0	0.7
70°-80°	0.4	0.1
80°-90°	0.0	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°	505.2	66.5
0°-40°	664.1	87.4
0°-60°	754.3	99.3
0°-90°	759.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	817	
5°	836	79
15°	719	199
25°	498	227
35°	251	159
45°	85	69
55°	22	22
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	816.8
1°	816.0
2°	816.8
3°	823.2
4°	830.5
5°	836.1
6°	839.3
7°	838.5
8°	831.3
9°	820.0
10°	806.4
11°	790.3
12°	775.1
13°	757.4
14°	739.0
15°	718.9
16°	697.3
17°	673.2
18°	649.9
19°	627.5
20°	605.0
21°	584.1
22°	562.5
23°	540.8
24°	519.9
25°	498.3
26°	477.4
27°	455.7
28°	432.5
29°	408.4
30°	382.7
32.5°	314.5
35°	251.1
37.5°	197.4
40°	151.6
42.5°	114.7
45°	85.1
47.5°	61.8
50°	44.9
52.5°	32.1
55°	22.5
57.5°	15.2
60°	10.4
62.5°	7.2
65°	4.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	1.6
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)