

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: P220330

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
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-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.6 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

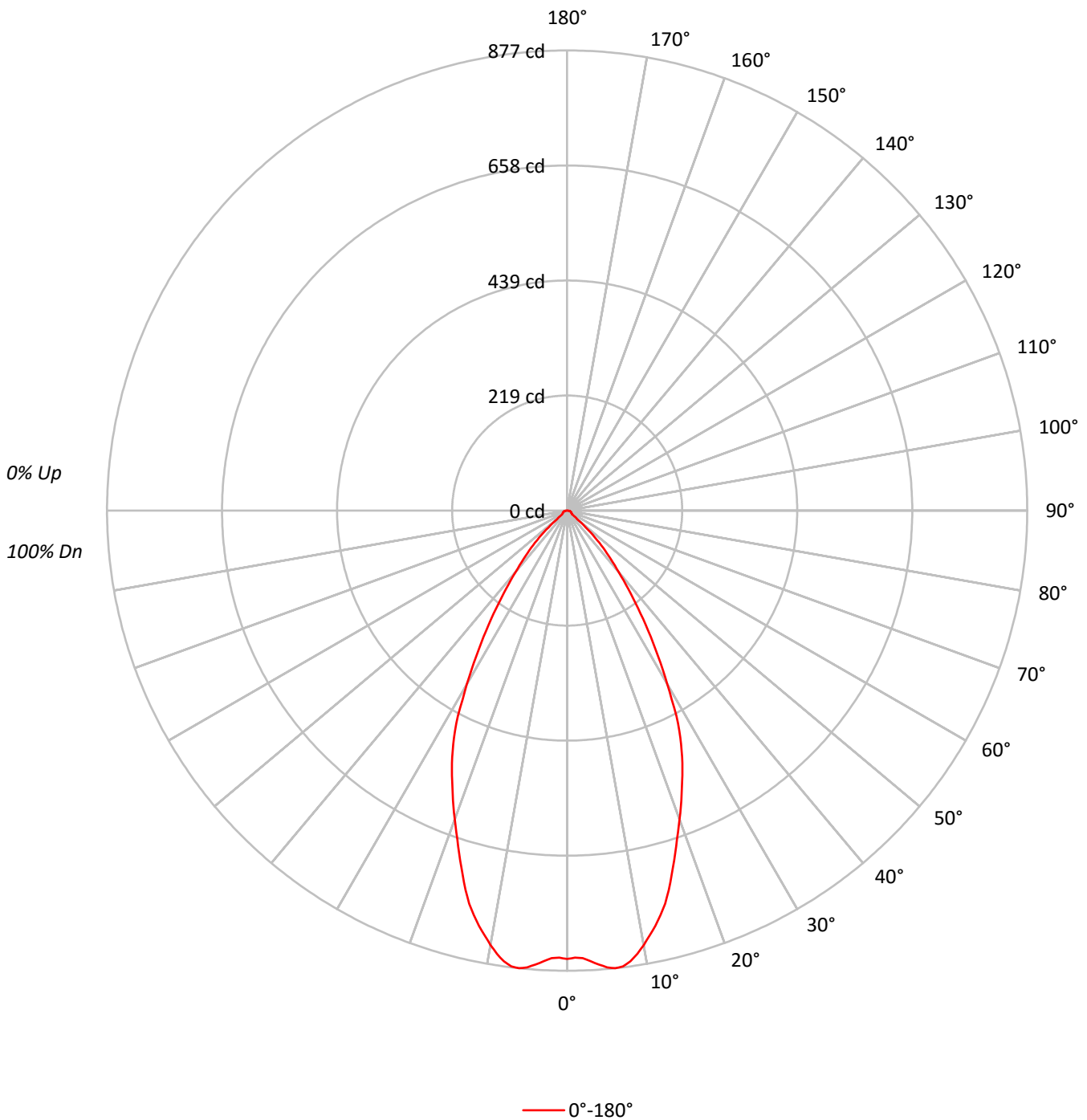
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
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	74	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	61	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	421593
5°	432762
10°	421283
15°	382373
20°	328572
25°	282154
30°	217571
35°	151721
40°	98219
45°	60494
50°	19112
55°	9634
60°	9473
65°	10273
70°	10386
75°	12200
80°	11365
85°	13586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	10.6
10°-20°	206.9	26.6
20°-30°	234.1	30.1
30°-40°	159.0	20.5
40°-50°	65.7	8.5
50°-60°	11.3	1.5
60°-70°	8.4	1.1
70°-80°	6.3	0.8
80°-90°	2.3	0.3
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°	523.6	67.4
0°-40°	682.5	87.9
0°-60°	759.6	97.8
0°-90°	776.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	854	
5°	874	82
15°	749	207
25°	518	234
35°	252	159
45°	87	66
55°	11	11
65°	9	8
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	854.5
1°	852.1
2°	853.7
3°	860.1
4°	867.4
5°	873.8
6°	877.0
7°	875.4
8°	867.4
9°	855.3
10°	840.9
11°	824.8
12°	808.8
13°	791.1
14°	771.9
15°	748.6
16°	722.9
17°	697.3
18°	672.4
19°	648.3
20°	625.8
21°	605.0
22°	582.5
23°	560.9
24°	540.0
25°	518.3
26°	495.9
27°	471.0
28°	443.7
29°	410.8
30°	381.9
32.5°	312.9
35°	251.9
37.5°	198.2
40°	152.5
42.5°	117.1
45°	86.7
47.5°	53.8
50°	24.9
52.5°	12.0
55°	11.2
57.5°	10.4
60°	9.6
62.5°	8.8
65°	8.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.0
70°	7.2
72.5°	6.4
75°	6.4
77.5°	5.6
80°	4.0
82.5°	3.2
85°	2.4
87.5°	0.8
90°	0.0

(END OF REPORT)