

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: P220334

Luminaire Tested: **9002-W1-[RW, RI]-LED3097-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220334
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]-LED3097-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 747.8 lumens
Efficiency: N/A
Efficacy: 74.8 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

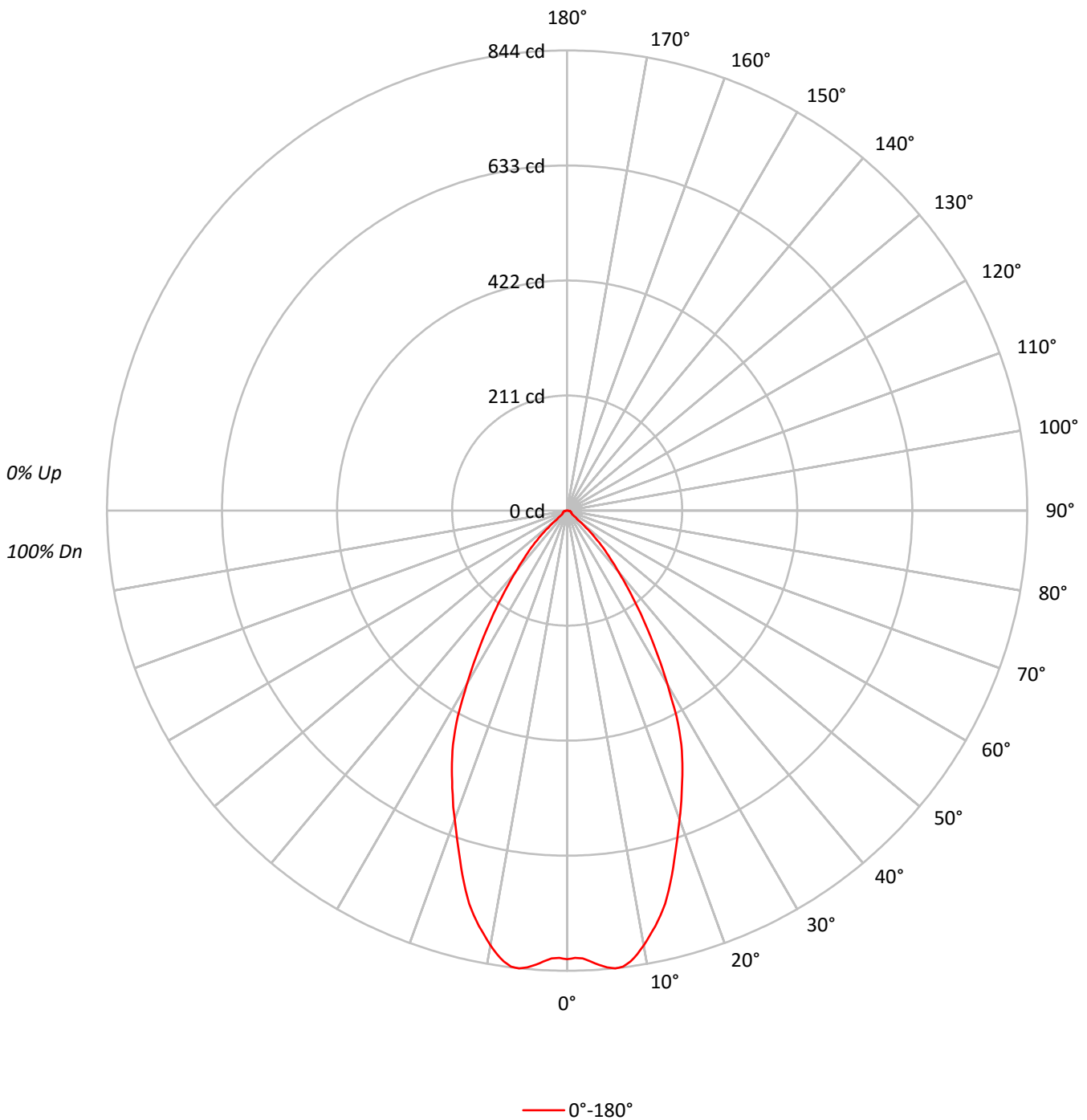
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	405953
5°	416666
10°	405652
15°	368173
20°	316391
25°	271702
30°	209481
35°	146119
40°	94548
45°	58192
50°	18345
55°	9290
60°	9177
65°	9923
70°	10098
75°	11819
80°	11081
85°	13020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	10.6
10°-20°	199.2	26.6
20°-30°	225.4	30.1
30°-40°	153.1	20.5
40°-50°	63.2	8.5
50°-60°	10.9	1.5
60°-70°	8.1	1.1
70°-80°	6.1	0.8
80°-90°	2.2	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°	504.1	67.4
0°-40°	657.2	87.9
0°-60°	731.3	97.8
0°-90°	747.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	747.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	823	
5°	841	79
15°	721	199
25°	499	225
35°	243	153
45°	83	63
55°	11	11
65°	8	8
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	822.8
1°	820.5
2°	822.0
3°	828.2
4°	835.2
5°	841.3
6°	844.4
7°	842.9
8°	835.2
9°	823.6
10°	809.7
11°	794.2
12°	778.8
13°	761.8
14°	743.2
15°	720.8
16°	696.1
17°	671.4
18°	647.4
19°	624.2
20°	602.6
21°	582.5
22°	560.9
23°	540.0
24°	519.9
25°	499.1
26°	477.5
27°	453.5
28°	427.2
29°	395.6
30°	367.7
32.5°	301.3
35°	242.6
37.5°	190.8
40°	146.8
42.5°	112.8
45°	83.4
47.5°	51.8
50°	23.9
52.5°	11.6
55°	10.8
57.5°	10.0
60°	9.3
62.5°	8.5
65°	8.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.7
70°	7.0
72.5°	6.2
75°	6.2
77.5°	5.4
80°	3.9
82.5°	3.1
85°	2.3
87.5°	0.8
90°	0.0

(END OF REPORT)