

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: P221135

Luminaire Tested: **9002-W1-[RW, RI]-LEDCW-W-BK-LC1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29547)  
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]-LEDCW-W-BK-LC1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

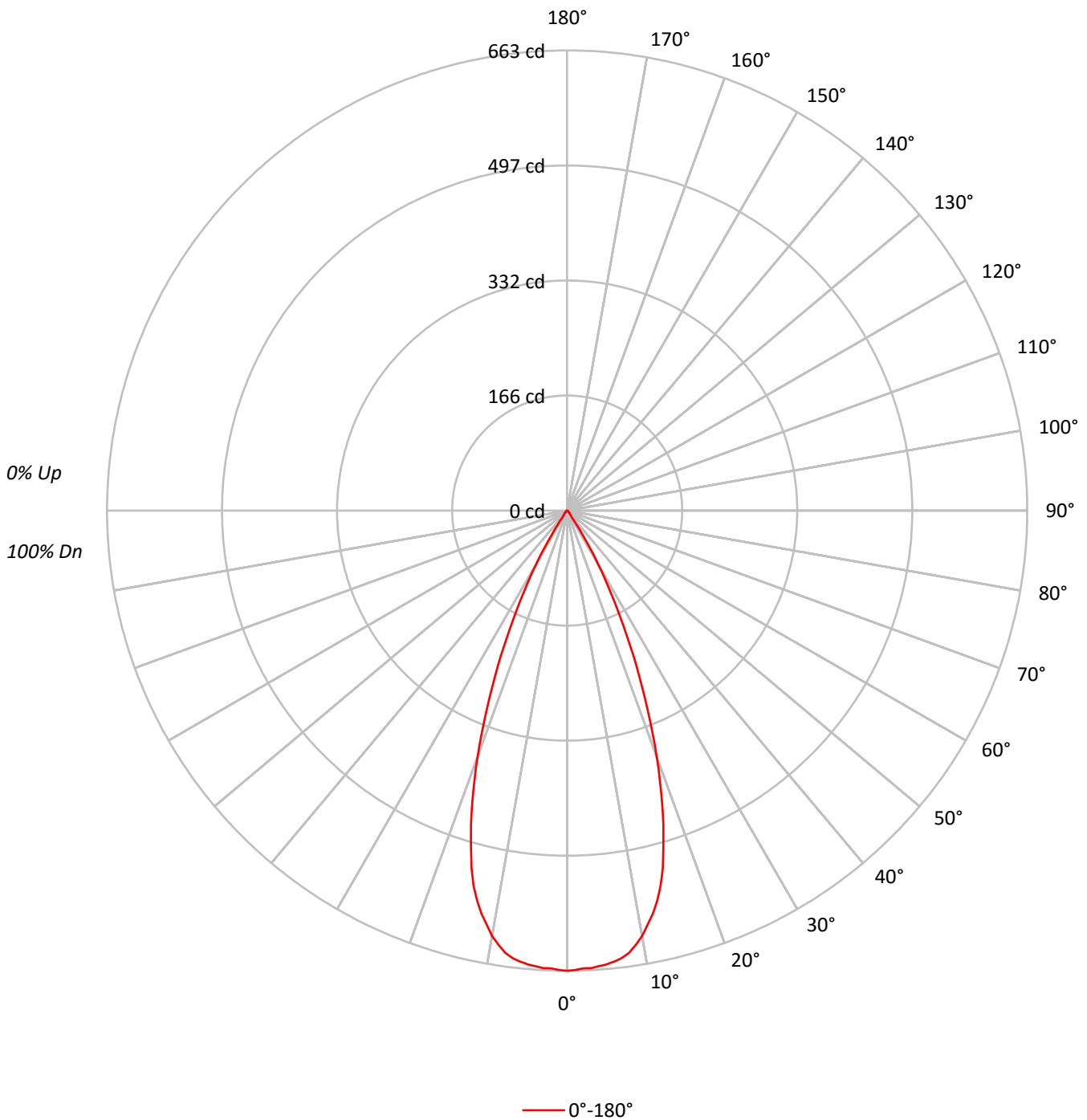
Lumens per Lamp: N/A  
Luminaire Lumens: 324.9 lumens  
Efficiency: N/A  
Efficacy: 24.1 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	94		96	94	93	91
3	106	100	96	93	104	99	95	92	97	94	91		94	92	90		92	90	88	87
4	102	96	91	88	100	94	90	87	92	89	86		91	88	85		89	86	84	83
5	98	91	86	83	96	90	86	82	89	85	82		87	84	81		86	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78		84	80	77		82	79	77	76
7	91	83	78	75	90	83	78	75	82	77	74		80	77	74		79	76	74	73
8	88	80	75	72	86	79	75	71	78	74	71		77	74	71		77	73	71	70
9	84	77	72	69	84	76	72	68	75	71	68		75	71	68		74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66		72	68	65		71	68	65	64

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	327160
5°	324943
10°	311817
15°	271839
20°	198256
25°	117097
30°	51387
35°	6565
40°	3800
45°	2791
50°	1535
55°	1720
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.7	19.0
10°-20°	143.5	44.2
20°-30°	98.2	30.2
30°-40°	16.5	5.1
40°-50°	3.2	1.0
50°-60°	1.4	0.4
60°-70°	0.4	0.1
70°-80°	0.0	0.0
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°	303.4	93.4
0°-40°	319.9	98.5
0°-60°	324.6	99.9
0°-90°	324.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	663	
5°	656	62
15°	532	144
25°	215	98
35°	11	17
45°	4	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	663.1
1°	662.1
2°	660.1
3°	660.1
4°	658.1
5°	656.1
6°	653.2
7°	649.2
8°	643.3
9°	633.3
10°	622.4
11°	607.6
12°	593.7
13°	576.8
14°	557.0
15°	532.2
16°	502.5
17°	473.8
18°	443.0
19°	410.3
20°	377.6
21°	343.9
22°	310.2
23°	277.5
24°	245.8
25°	215.1
26°	185.3
27°	157.6
28°	132.8
29°	110.0
30°	90.2
32.5°	44.6
35°	10.9
37.5°	7.9
40°	5.9
42.5°	5.9
45°	4.0
47.5°	3.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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)