

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: P220367

Luminaire Tested: **9002-W1-[RW, RI]-LED3597-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)
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]-LED3597-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 734.7 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

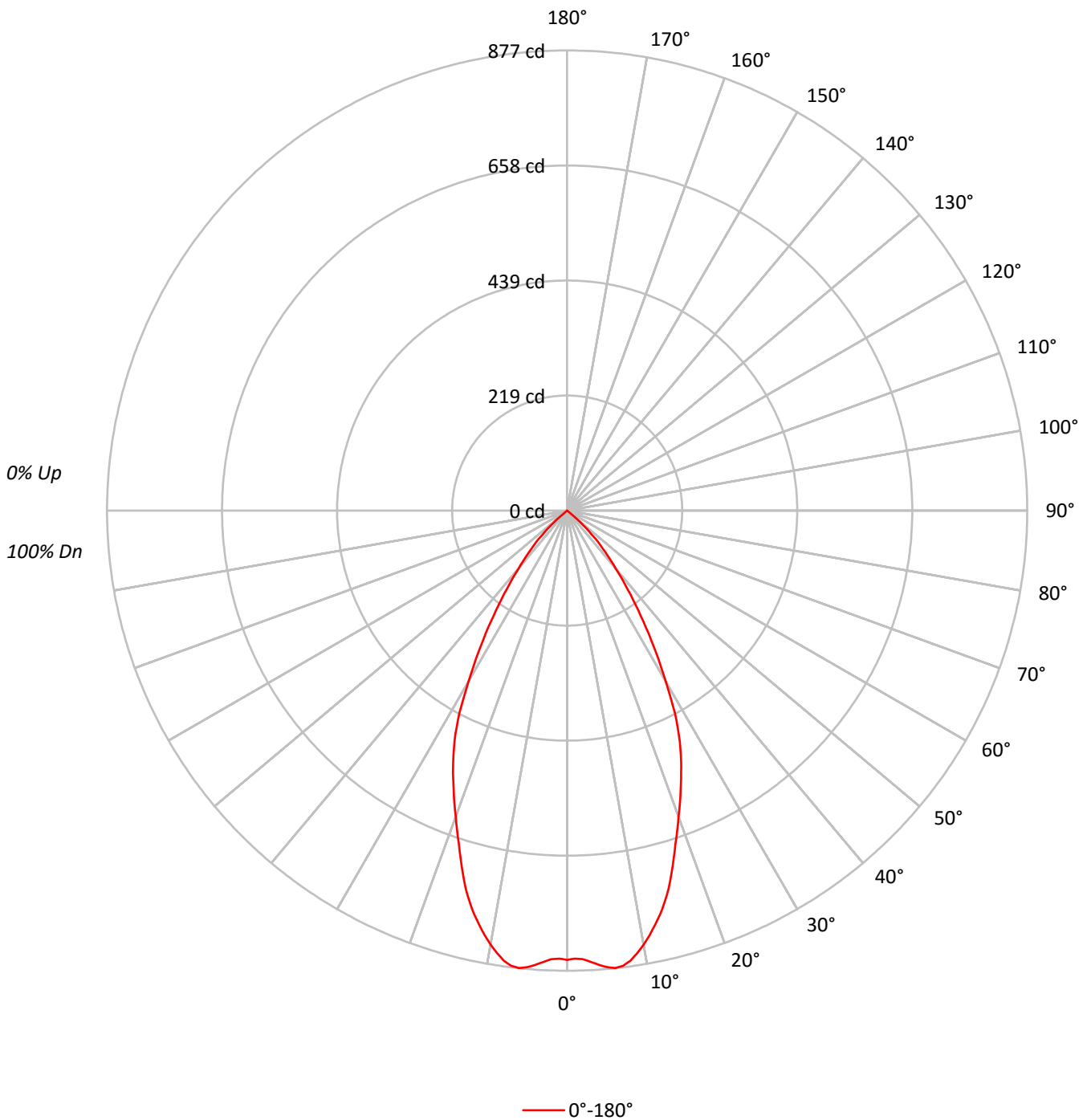
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	73	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60	67	63	60	67	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422530
5°	432613
10°	420932
15°	381402
20°	325947
25°	279106
30°	213867
35°	146842
40°	92616
45°	53866
50°	11206
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	11.2
10°-20°	206.1	28.1
20°-30°	231.5	31.5
30°-40°	154.0	21.0
40°-50°	58.3	7.9
50°-60°	2.3	0.3
60°-70°	0.0	0.0
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°	520.1	70.8
0°-40°	674.1	91.7
0°-60°	734.7	100.0
0°-90°	734.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	856	
5°	874	82
15°	747	206
25°	513	232
35°	244	154
45°	77	58
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	856.4
1°	854.0
2°	855.6
3°	861.3
4°	867.8
5°	873.5
6°	876.7
7°	874.3
8°	866.2
9°	854.0
10°	840.2
11°	823.9
12°	806.8
13°	789.0
14°	768.7
15°	746.7
16°	720.7
17°	693.9
18°	667.9
19°	644.3
20°	620.8
21°	599.7
22°	577.7
23°	555.8
24°	534.6
25°	512.7
26°	490.0
27°	464.8
28°	437.1
29°	405.5
30°	375.4
32.5°	306.3
35°	243.8
37.5°	189.3
40°	143.8
42.5°	108.1
45°	77.2
47.5°	43.9
50°	14.6
52.5°	1.6
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
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)