

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: P220331

Luminaire Tested: **9002-W1-[RW, RI]-LED3590-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220331
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]-LED3590-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 840.8 lumens
Efficiency: N/A
Efficacy: 84.1 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

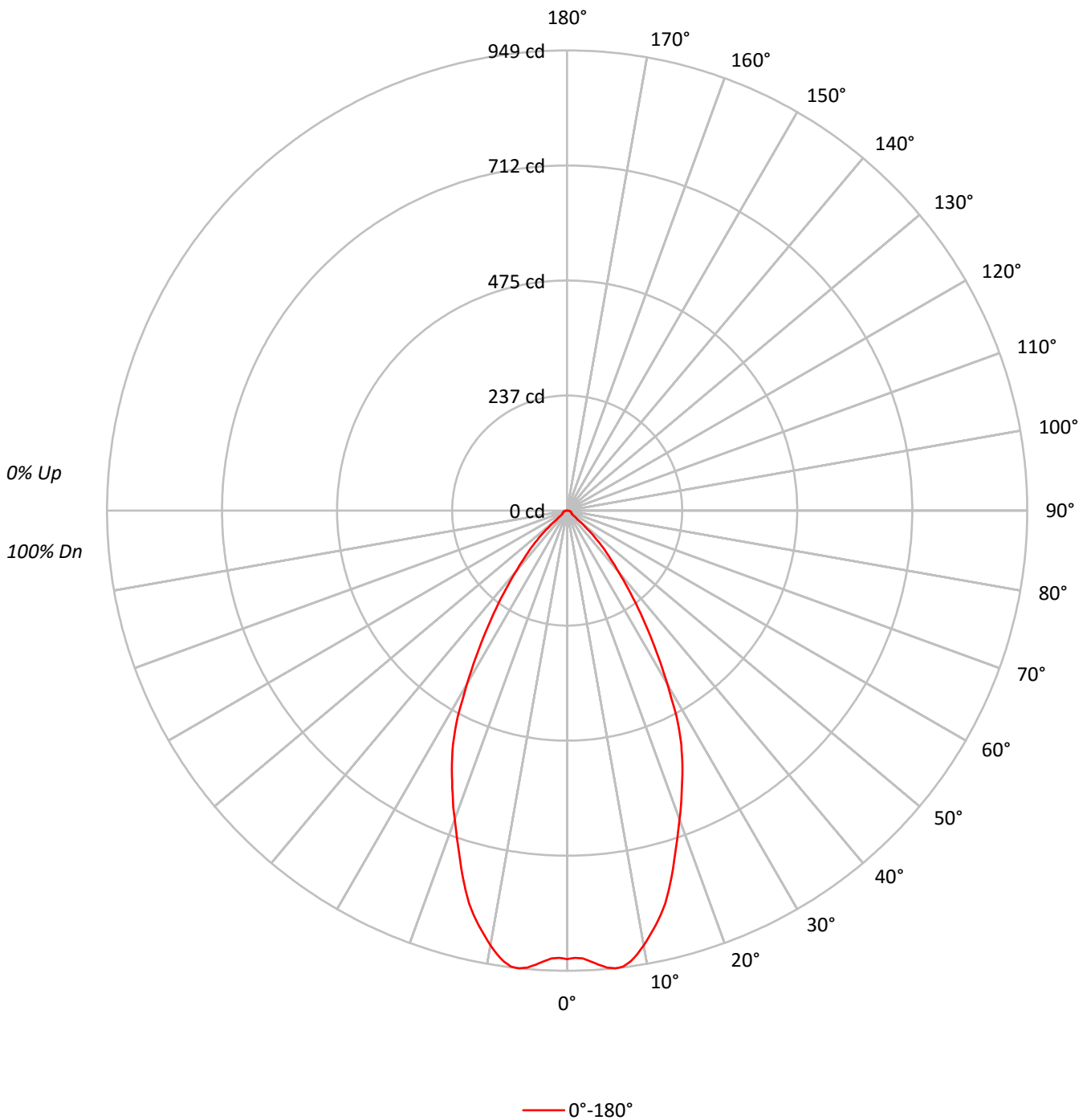
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	456425
5°	468520
10°	456052
15°	413991
20°	355717
25°	305454
30°	235573
35°	164309
40°	106270
45°	65448
50°	20647
55°	10494
60°	10262
65°	11207
70°	11252
75°	13153
80°	12217
85°	14718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	10.6
10°-20°	224.0	26.6
20°-30°	253.5	30.1
30°-40°	172.1	20.5
40°-50°	71.1	8.5
50°-60°	12.3	1.5
60°-70°	9.2	1.1
70°-80°	6.9	0.8
80°-90°	2.5	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°	566.8	67.4
0°-40°	738.9	87.9
0°-60°	822.3	97.8
0°-90°	840.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	925	
5°	946	89
15°	810	224
25°	561	253
35°	273	172
45°	94	71
55°	12	12
65°	10	9
75°	7	7
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	925.1
1°	922.5
2°	924.2
3°	931.2
4°	939.0
5°	946.0
6°	949.4
7°	947.7
8°	939.0
9°	926.0
10°	910.3
11°	893.0
12°	875.6
13°	856.5
14°	835.6
15°	810.5
16°	782.7
17°	754.9
18°	727.9
19°	701.9
20°	677.5
21°	655.0
22°	630.6
23°	607.2
24°	584.6
25°	561.1
26°	536.8
27°	509.9
28°	480.4
29°	444.7
30°	413.5
32.5°	338.8
35°	272.8
37.5°	214.6
40°	165.0
42.5°	126.8
45°	93.8
47.5°	58.2
50°	26.9
52.5°	13.0
55°	12.2
57.5°	11.3
60°	10.4
62.5°	9.6
65°	9.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.7
70°	7.8
72.5°	6.9
75°	6.9
77.5°	6.1
80°	4.3
82.5°	3.5
85°	2.6
87.5°	0.9
90°	0.0

(END OF REPORT)