

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: P220415

Luminaire Tested: **9002-W1-FL-LED3597-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29422)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED3597-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 800.3 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

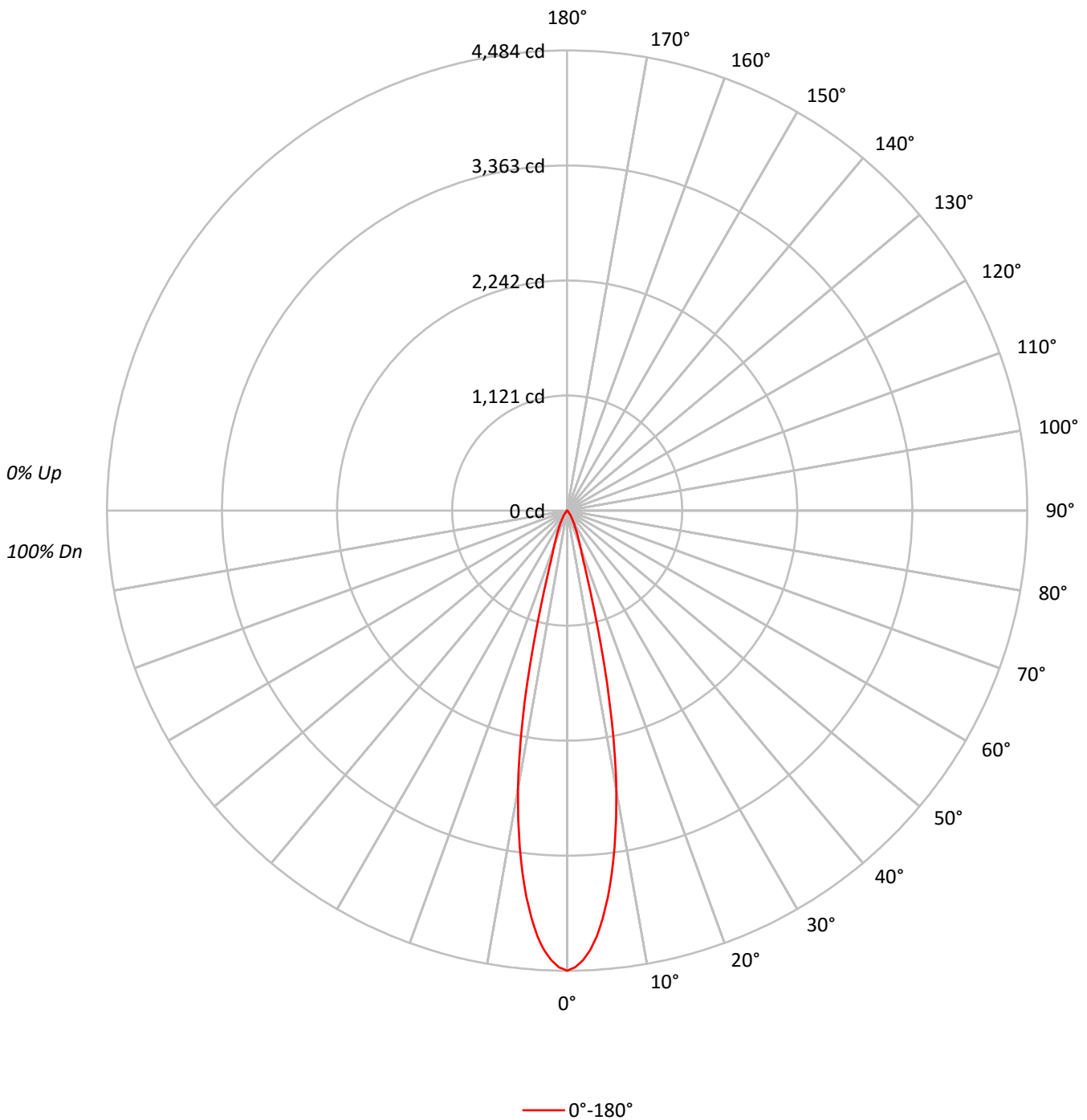
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220415

CATALOG NUMBER: 9002-W1-FL-LED3597-M-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220415

CATALOG NUMBER: 9002-W1-FL-LED3597-M-BK-L1-UNV

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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	100	101	99	97	98	97	95	94
3	108	104	100	98	107	103	99	97	100	97	95	98	96	94	96	94	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2212462
5°	1975460
10°	1380380
15°	540358
20°	194949
25°	109258
30°	61585
35°	32284
40°	11529
45°	6210
50°	3761
55°	2064
60°	1579
65°	934
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P220415

CATALOG NUMBER: 9002-W1-FL-LED3597-M-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.8	42.6
10°-20°	319.1	39.9
20°-30°	95.7	12.0
30°-40°	33.7	4.2
40°-50°	7.6	0.9
50°-60°	2.3	0.3
60°-70°	0.9	0.1
70°-80°	0.1	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°	755.6	94.4
0°-40°	789.4	98.6
0°-60°	799.3	99.9
0°-90°	800.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4484	
5°	3989	341
15°	1058	319
25°	201	96
35°	54	34
45°	9	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220415

CATALOG NUMBER: 9002-W1-FL-LED3597-M-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

	0°
0°	4484.3
1°	4451.0
2°	4385.2
3°	4288.5
4°	4157.7
5°	3988.7
6°	3788.0
7°	3564.6
8°	3315.1
9°	3043.7
10°	2755.3
11°	2439.2
12°	2091.5
13°	1725.8
14°	1368.3
15°	1057.9
16°	809.3
17°	629.7
18°	509.5
19°	428.2
20°	371.3
22.5°	272.2
25°	200.7
26°	177.1
27°	156.8
28°	138.9
29°	122.7
30°	108.1
32.5°	78.0
35°	53.6
37.5°	27.6
40°	17.9
42.5°	13.0
45°	8.9
47.5°	6.5
50°	4.9
52.5°	3.3
55°	2.4
57.5°	1.6
60°	1.6
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0



TEST NUMBER: P220415

CATALOG NUMBER: 9002-W1-FL-LED3597-M-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	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)