

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: P220881

Luminaire Tested: **9004-W1-[RW, RI]-LED3597-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29493)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED3597-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1552.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

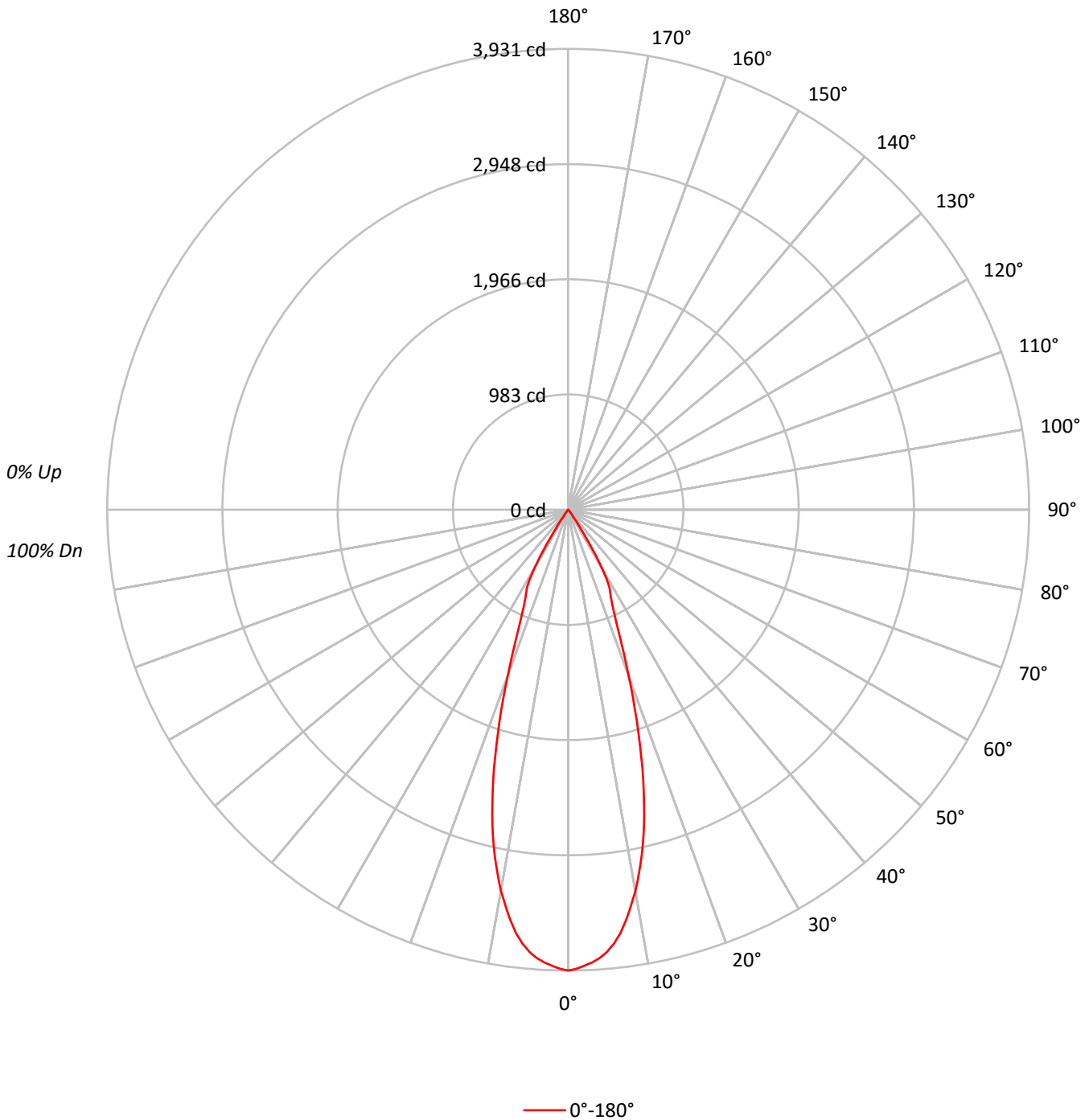
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220881

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3597-F-BK-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220881

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3597-F-BK-L2-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	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	90	87	85	84
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	82	78	75	81	77	75	74
8	89	81	76	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	484859
5°	468808
10°	413395
15°	318259
20°	197431
25°	120772
30°	82209
35°	10887
40°	3092
45°	750
50°	595
55°	409
60°	296
65°	350
70°	216
75°	0
80°	0
85°	0



TEST NUMBER: P220881

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3597-F-BK-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	22.3
10°-20°	668.6	43.1
20°-30°	428.7	27.6
30°-40°	101.0	6.5
40°-50°	4.8	0.3
50°-60°	1.9	0.1
60°-70°	1.0	0.1
70°-80°	0.2	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°	1443.1	93.0
0°-40°	1544.2	99.5
0°-60°	1550.8	99.9
0°-90°	1552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1552.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3931	
5°	3786	346
15°	2492	669
25°	887	429
35°	72	101
45°	4	5
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P220881

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3597-F-BK-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	3930.9
1°	3916.7
2°	3893.8
3°	3867.9
4°	3833.9
5°	3786.3
6°	3722.7
7°	3641.7
8°	3536.7
9°	3422.3
10°	3300.6
11°	3162.8
12°	3015.1
13°	2855.0
14°	2677.7
15°	2492.3
16°	2295.8
17°	2092.5
18°	1889.8
19°	1693.2
20°	1504.1
21°	1336.1
22°	1185.9
23°	1059.8
24°	964.0
25°	887.4
26°	829.9
27°	785.4
28°	745.9
29°	678.5
30°	577.2
32.5°	275.6
35°	72.3
37.5°	38.3
40°	19.2
42.5°	6.2
45°	4.3
47.5°	3.7
50°	3.1
52.5°	2.5
55°	1.9
57.5°	1.9
60°	1.2
62.5°	1.2
65°	1.2



TEST NUMBER: P220881

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3597-F-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
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)