

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: P220776

Luminaire Tested: **9004-W1-[RW, RI]-LED3097-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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]-LED3097-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1470.4 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

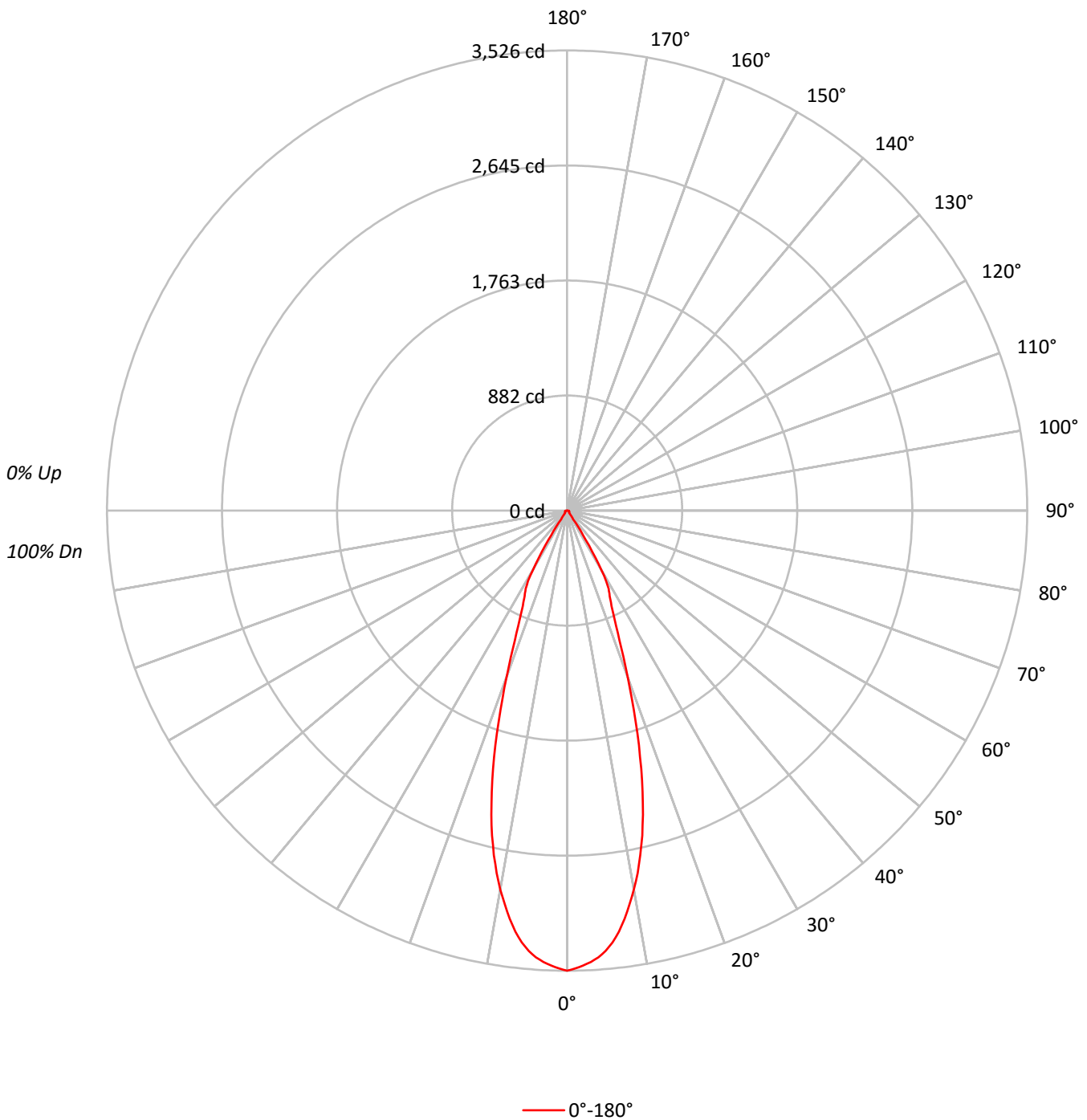
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220776

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3097-F-WT-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220776

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3097-F-WT-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	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	434855
5°	419318
10°	369232
15°	285109
20°	178004
25°	109585
30°	75116
35°	11820
40°	5346
45°	3611
50°	3761
55°	4107
60°	4564
65°	5078
70°	5878
75°	7292
80°	8524
85°	8491



TEST NUMBER: P220776

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3097-F-WT-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.2	21.0
10°-20°	599.5	40.8
20°-30°	388.2	26.4
30°-40°	99.9	6.8
40°-50°	17.0	1.2
50°-60°	17.2	1.2
60°-70°	17.3	1.2
70°-80°	15.5	1.1
80°-90°	6.5	0.4
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°	1296.9	88.2
0°-40°	1396.8	95.0
0°-60°	1431.1	97.3
0°-90°	1470.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1470.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3526	
5°	3387	309
15°	2233	600
25°	805	388
35°	78	100
45°	21	17
55°	19	17
65°	17	17
75°	15	16
85°	6	7
90°	0	



TEST NUMBER: P220776

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	3525.5
1°	3509.7
2°	3489.0
3°	3464.5
4°	3432.9
5°	3386.6
6°	3327.7
7°	3250.9
8°	3158.9
9°	3056.4
10°	2948.0
11°	2829.2
12°	2698.5
13°	2556.8
14°	2401.6
15°	2232.7
16°	2058.3
17°	1879.1
18°	1699.3
19°	1522.2
20°	1356.1
21°	1204.0
22°	1071.7
23°	960.0
24°	872.3
25°	805.2
26°	752.4
27°	711.5
28°	677.2
29°	617.3
30°	527.4
32.5°	263.7
35°	78.5
37.5°	50.1
40°	33.2
42.5°	21.2
45°	20.7
47.5°	20.2
50°	19.6
52.5°	19.6
55°	19.1
57.5°	19.1
60°	18.5
62.5°	18.0
65°	17.4



TEST NUMBER: P220776

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.9
70°	16.3
72.5°	15.8
75°	15.3
77.5°	13.6
80°	12.0
82.5°	9.3
85°	6.0
87.5°	2.7
90°	0.0

(END OF REPORT)