

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: P220802

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
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-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1415.3 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

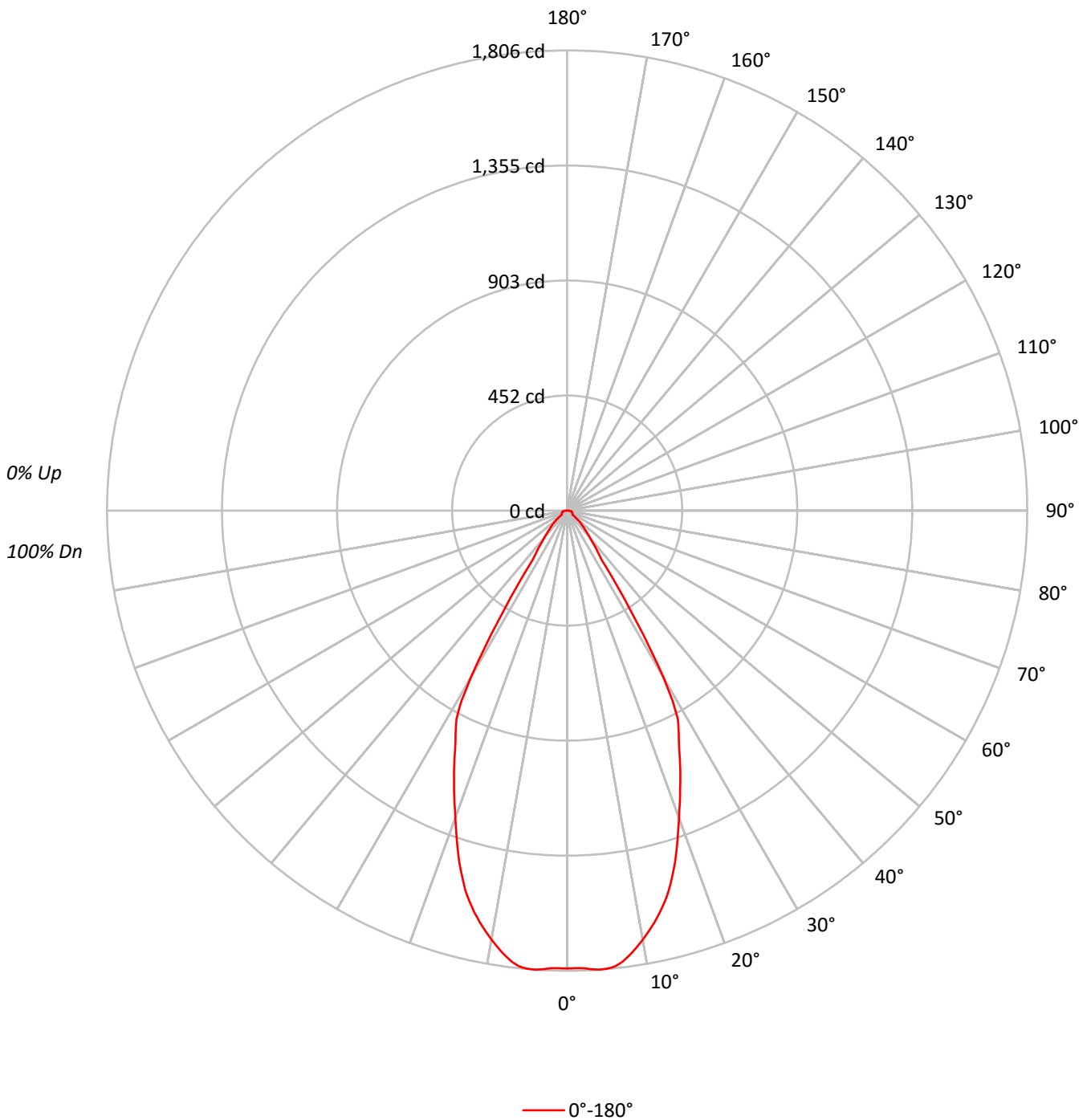
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220802

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

Luminous Intensity Polar Plot





TEST NUMBER: P220802

CATALOG NUMBER: 9004-W1-[RW, RI]-LED3097-W-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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	221701
5°	223489
10°	214125
15°	197023
20°	168409
25°	141772
30°	107162
35°	35612
40°	22639
45°	15403
50°	9000
55°	5398
60°	5921
65°	6508
70°	7465
75°	9103
80°	10868
85°	10756



TEST NUMBER: P220802

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	12.0
10°-20°	425.6	30.1
20°-30°	476.6	33.7
30°-40°	199.4	14.1
40°-50°	69.2	4.9
50°-60°	25.2	1.8
60°-70°	22.1	1.6
70°-80°	19.7	1.4
80°-90°	8.3	0.6
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°	1071.4	75.7
0°-40°	1270.7	89.8
0°-60°	1365.1	96.5
0°-90°	1415.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1415.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1797	
5°	1805	169
15°	1543	426
25°	1042	477
35°	236	199
45°	88	69
55°	25	25
65°	22	22
75°	19	20
85°	8	8
90°	0	



TEST NUMBER: P220802

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	1797.4
1°	1795.7
2°	1797.4
3°	1802.8
4°	1806.1
5°	1805.0
6°	1798.4
7°	1784.3
8°	1761.9
9°	1736.9
10°	1709.6
11°	1680.8
12°	1651.3
13°	1618.1
14°	1582.7
15°	1542.9
16°	1495.5
17°	1445.9
18°	1392.6
19°	1337.0
20°	1283.0
21°	1232.9
22°	1184.4
23°	1136.5
24°	1089.6
25°	1041.7
26°	999.7
27°	962.7
28°	924.6
29°	854.8
30°	752.4
32.5°	451.1
35°	236.5
37.5°	180.9
40°	140.6
42.5°	109.5
45°	88.3
47.5°	70.8
50°	46.9
52.5°	27.8
55°	25.1
57.5°	24.5
60°	24.0
62.5°	23.4
65°	22.3



TEST NUMBER: P220802

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

CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.2
70°	20.7
72.5°	20.2
75°	19.1
77.5°	17.4
80°	15.3
82.5°	12.0
85°	7.6
87.5°	3.3
90°	0.0

(END OF REPORT)