

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: P220468

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220468  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 812.5 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

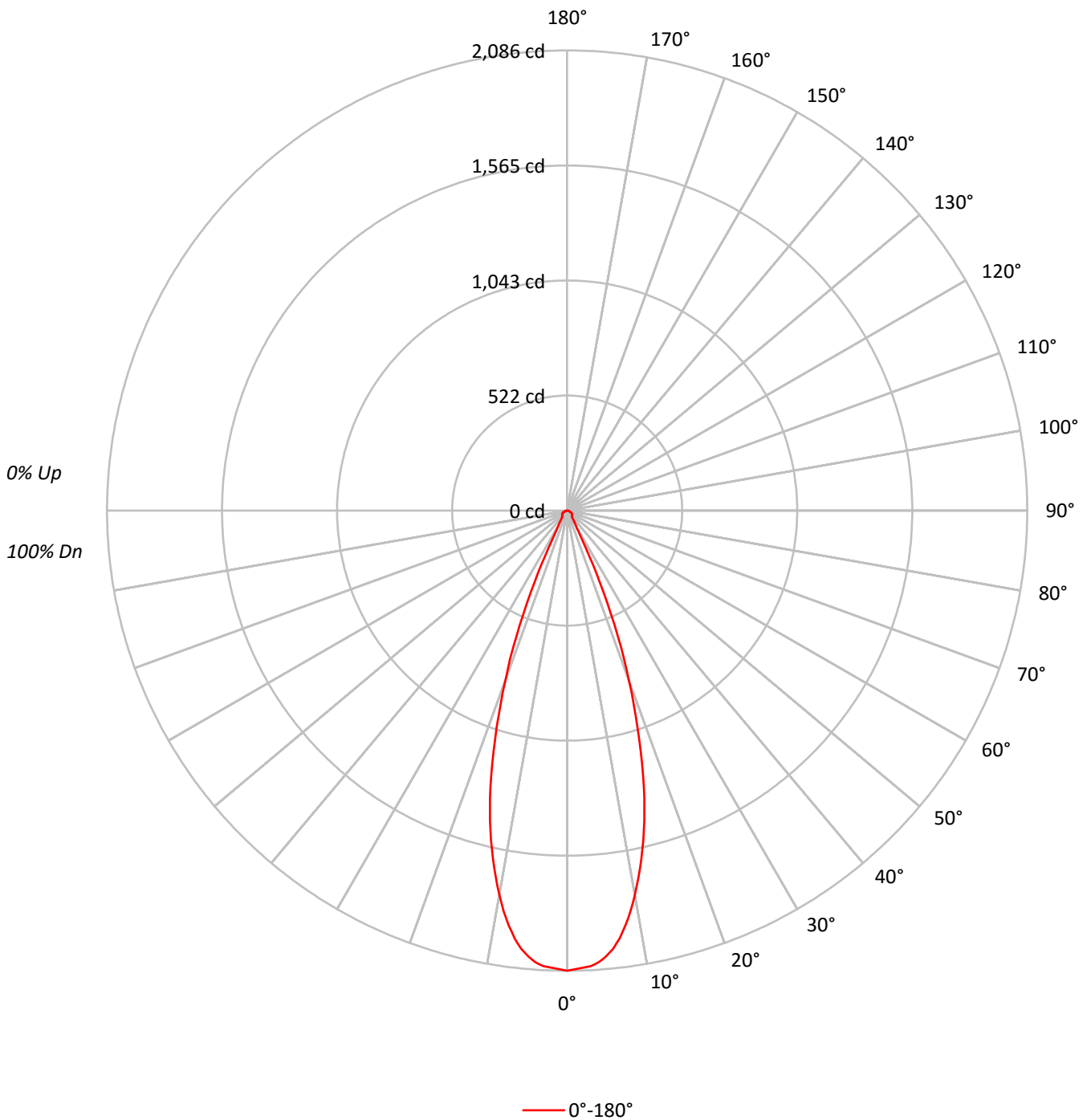
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P220468

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

### Luminous Intensity Polar Plot





TEST NUMBER: P220468

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83		88	85	83		87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79		85	81	79		83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72		79	75	72		78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67		73	70	67		73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70	67	64	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	457398
5°	446576
10°	393936
15°	306517
20°	191467
25°	74762
30°	20383
35°	11939
40°	9532
45°	9675
50°	10200
55°	10437
60°	10262
65°	9443
70°	8078
75°	7371
80°	8208
85°	7548



TEST NUMBER: P220468

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.4	22.8
10°-20°	361.9	44.5
20°-30°	155.2	19.1
30°-40°	30.6	3.8
40°-50°	24.3	3.0
50°-60°	24.2	3.0
60°-70°	17.9	2.2
70°-80°	9.6	1.2
80°-90°	3.4	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°	702.6	86.5
0°-40°	733.2	90.2
0°-60°	781.6	96.2
0°-90°	812.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	812.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2086	
5°	2029	185
15°	1350	362
25°	309	155
35°	45	31
45°	31	24
55°	27	24
65°	18	18
75°	9	10
85°	3	3
90°	0	



TEST NUMBER: P220468

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2085.9
1°	2079.9
2°	2073.4
3°	2067.3
4°	2053.1
5°	2028.8
6°	1996.4
7°	1954.0
8°	1899.9
9°	1838.8
10°	1769.2
11°	1694.7
12°	1617.3
13°	1533.3
14°	1445.0
15°	1350.2
16°	1249.0
17°	1142.5
18°	1032.6
19°	924.8
20°	820.5
21°	721.4
22°	615.0
23°	505.9
24°	402.0
25°	309.0
26°	228.1
27°	161.4
28°	115.1
29°	91.3
30°	80.5
32.5°	61.0
35°	44.6
37.5°	36.4
40°	33.3
42.5°	32.0
45°	31.2
47.5°	30.7
50°	29.9
52.5°	28.6
55°	27.3
57.5°	25.5
60°	23.4
62.5°	21.2
65°	18.2



TEST NUMBER: P220468

CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	15.1
70°	12.6
72.5°	10.4
75°	8.7
77.5°	7.8
80°	6.5
82.5°	4.8
85°	3.0
87.5°	1.3
90°	0.0

(END OF REPORT)