

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: P220485

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 736.5 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

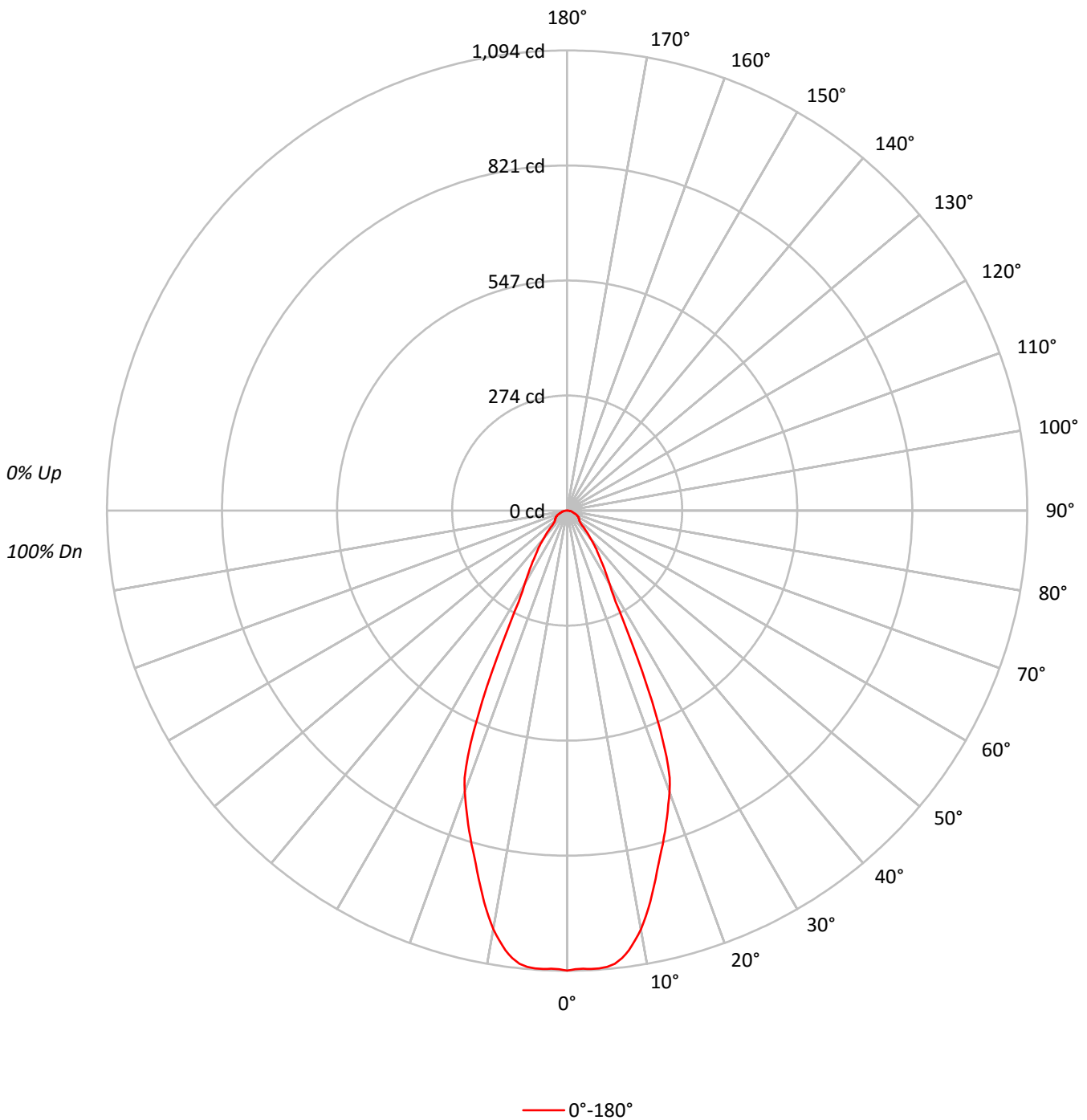
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	107	104	110	107	105	103	103	101	100		100	98	97		96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90		93	91	88		91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76		83	79	76		81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67		74	70	66		73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63		70	66	62		69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59		67	62	59		66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53		61	56	53		60	56	53	52

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

	0°
0°	239805
5°	239687
10°	224912
15°	193440
20°	166124
25°	102296
30°	51071
35°	35790
40°	24904
45°	15971
50°	12997
55°	13228
60°	13464
65°	13023
70°	11669
75°	11014
80°	11996
85°	12077



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.5	13.8
10°-20°	238.5	32.4
20°-30°	193.5	26.3
30°-40°	85.6	11.6
40°-50°	42.9	5.8
50°-60°	30.9	4.2
60°-70°	24.4	3.3
70°-80°	13.9	1.9
80°-90°	5.2	0.7
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°	533.5	72.4
0°-40°	619.1	84.1
0°-60°	692.9	94.1
0°-90°	736.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1094	
5°	1089	102
15°	852	238
25°	423	194
35°	134	86
45°	52	43
55°	35	31
65°	25	24
75°	13	14
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1093.6
1°	1090.6
2°	1089.7
3°	1091.4
4°	1091.4
5°	1088.9
6°	1083.2
7°	1072.0
8°	1055.5
9°	1034.3
10°	1010.1
11°	982.0
12°	950.8
13°	917.0
14°	883.7
15°	852.1
16°	824.9
17°	796.3
18°	767.7
19°	739.2
20°	711.9
21°	680.3
22°	630.5
23°	566.5
24°	496.4
25°	422.8
26°	353.6
27°	292.1
28°	245.4
29°	218.5
30°	201.7
32.5°	165.3
35°	133.7
37.5°	110.4
40°	87.0
42.5°	68.8
45°	51.5
47.5°	41.5
50°	38.1
52.5°	36.4
55°	34.6
57.5°	32.5
60°	30.7
62.5°	28.1
65°	25.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	21.2
70°	18.2
72.5°	14.7
75°	13.0
77.5°	11.3
80°	9.5
82.5°	7.4
85°	4.8
87.5°	2.2
90°	0.0

(END OF REPORT)