

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: P220460

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
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-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1380.2 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

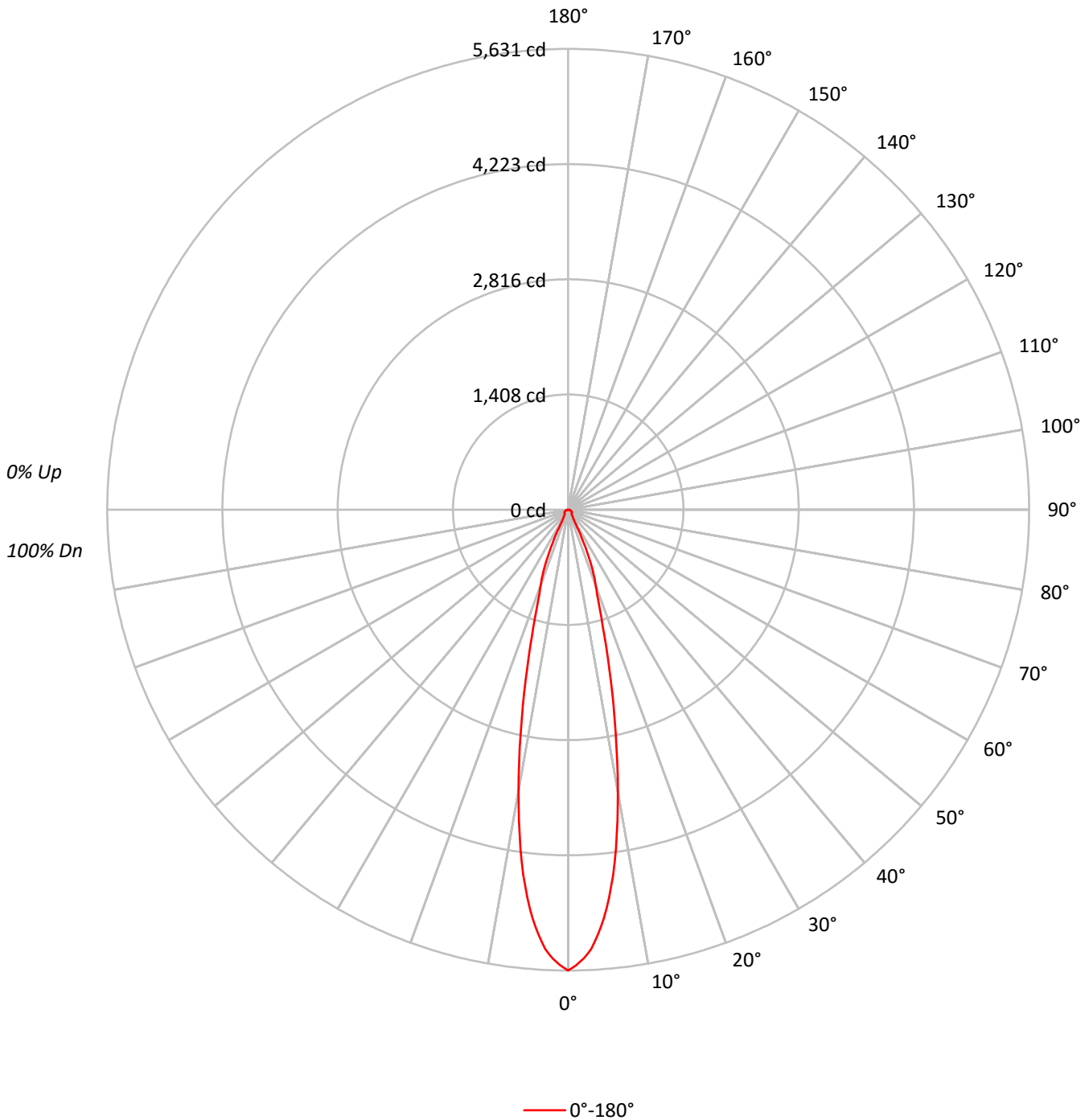
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	97	100	97	94		97	94	92		94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89		93	90	87		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71		77	74	71		76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69		75	71	69		74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67		73	69	67		72	69	66	65

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

	0°
0°	1234791
5°	1103211
10°	777786
15°	422681
20°	228687
25°	109095
30°	31524
35°	20505
40°	18721
45°	19289
50°	20434
55°	21677
60°	21358
65°	20288
70°	16862
75°	14911
80°	17174
85°	16102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.1	31.1
10°-20°	525.5	38.1
20°-30°	210.2	15.2
30°-40°	52.6	3.8
40°-50°	48.4	3.5
50°-60°	49.9	3.6
60°-70°	37.9	2.7
70°-80°	19.6	1.4
80°-90°	7.1	0.5
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°	1164.8	84.4
0°-40°	1217.4	88.2
0°-60°	1315.7	95.3
0°-90°	1380.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1380.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5631	
5°	5012	429
15°	1862	525
25°	451	210
35°	77	53
45°	62	48
55°	57	50
65°	39	38
75°	18	20
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5631.1
1°	5568.9
2°	5485.1
3°	5375.8
4°	5205.0
5°	5011.9
6°	4770.0
7°	4501.9
8°	4185.9
9°	3841.1
10°	3493.1
11°	3138.8
12°	2790.0
13°	2464.4
14°	2150.0
15°	1861.9
16°	1600.9
17°	1388.6
18°	1215.5
19°	1080.6
20°	980.0
21°	895.4
22°	798.9
23°	687.9
24°	568.2
25°	450.9
26°	337.6
27°	241.0
28°	170.0
29°	137.3
30°	124.5
32.5°	99.8
35°	76.6
37.5°	68.6
40°	65.4
42.5°	63.8
45°	62.2
47.5°	61.5
50°	59.9
52.5°	59.1
55°	56.7
57.5°	52.7
60°	48.7
62.5°	44.7
65°	39.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	31.9
70°	26.3
72.5°	20.7
75°	17.6
77.5°	16.0
80°	13.6
82.5°	9.6
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)