

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: P220451

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220451  
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-L1-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: 748.4 lumens  
Efficiency: N/A  
Efficacy: 76.4 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

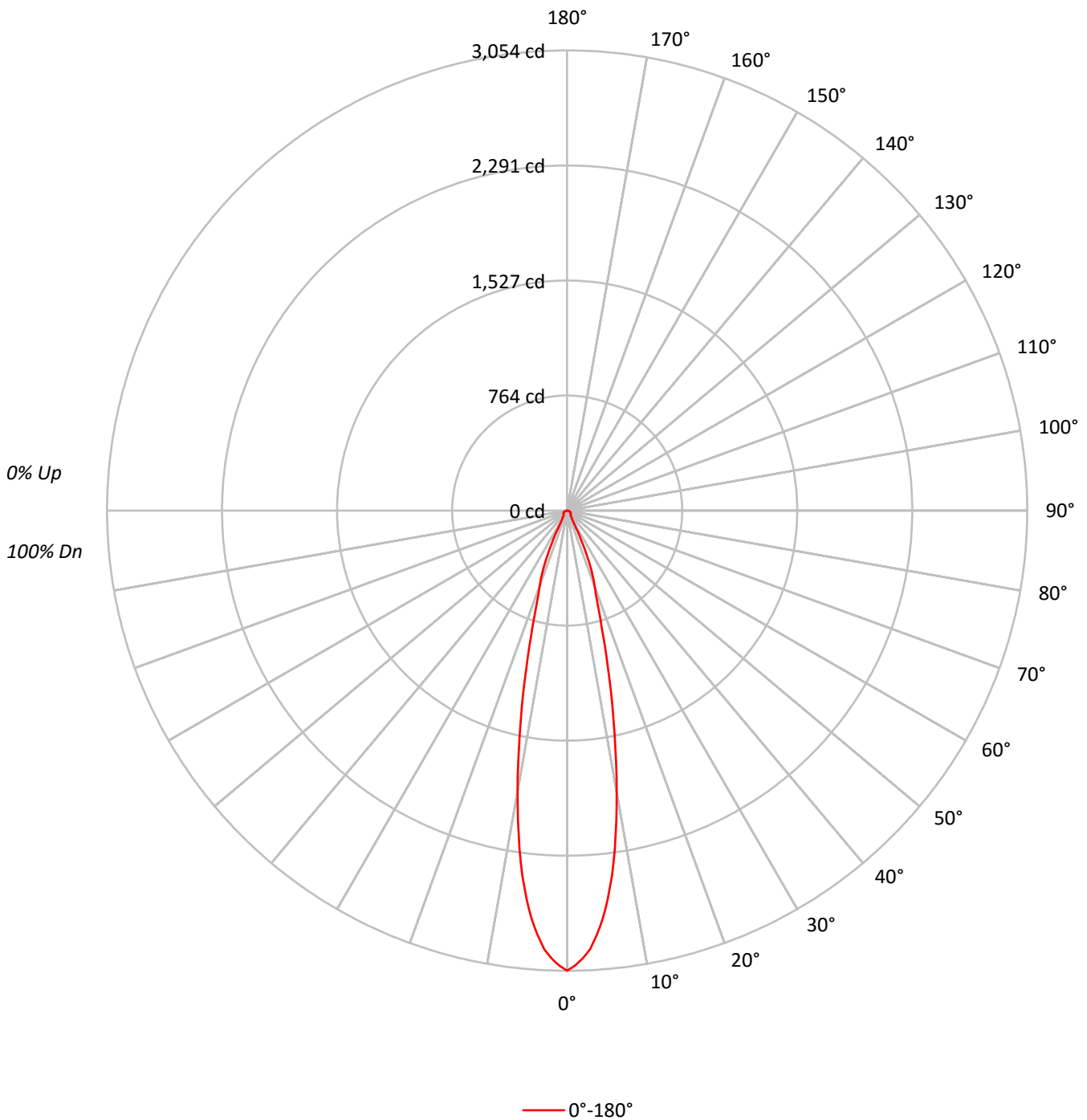
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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		92	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°	669595
5°	598237
10°	421769
15°	229218
20°	124004
25°	59157
30°	17091
35°	11109
40°	10162
45°	10482
50°	11087
55°	11737
60°	11578
65°	11000
70°	9168
75°	8049
80°	9345
85°	8806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.7	31.1
10°-20°	284.9	38.1
20°-30°	114.0	15.2
30°-40°	28.5	3.8
40°-50°	26.2	3.5
50°-60°	27.0	3.6
60°-70°	20.5	2.7
70°-80°	10.6	1.4
80°-90°	3.8	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°	631.6	84.4
0°-40°	660.2	88.2
0°-60°	713.4	95.3
0°-90°	748.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	748.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3054	
5°	2718	233
15°	1010	285
25°	244	114
35°	42	29
45°	34	26
55°	31	27
65°	21	21
75°	10	11
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3053.6
1°	3019.9
2°	2974.4
3°	2915.1
4°	2822.5
5°	2717.8
6°	2586.7
7°	2441.3
8°	2269.9
9°	2082.9
10°	1894.2
11°	1702.1
12°	1513.0
13°	1336.4
14°	1165.9
15°	1009.7
16°	868.1
17°	753.0
18°	659.1
19°	586.0
20°	531.4
21°	485.6
22°	433.2
23°	373.0
24°	308.1
25°	244.5
26°	183.1
27°	130.7
28°	92.2
29°	74.4
30°	67.5
32.5°	54.1
35°	41.5
37.5°	37.2
40°	35.5
42.5°	34.6
45°	33.8
47.5°	33.3
50°	32.5
52.5°	32.0
55°	30.7
57.5°	28.6
60°	26.4
62.5°	24.2
65°	21.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	17.3
70°	14.3
72.5°	11.3
75°	9.5
77.5°	8.7
80°	7.4
82.5°	5.2
85°	3.5
87.5°	1.7
90°	0.0

(END OF REPORT)