

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: P220464

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220464  
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]-LED3097-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1220.7 lumens  
Efficiency: N/A  
Efficacy: 60.7 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

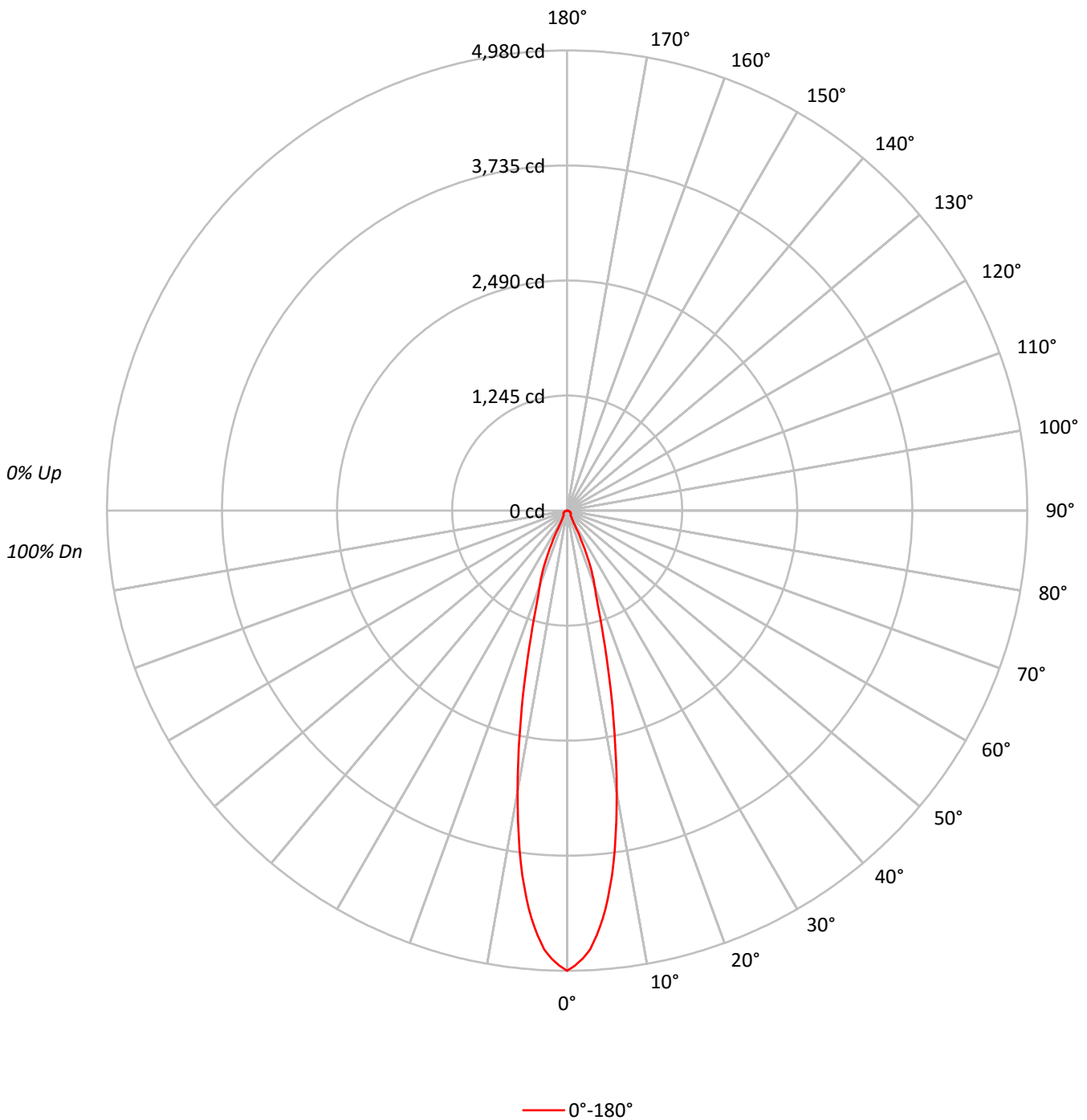
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	77	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°	1092105
5°	975718
10°	687919
15°	373827
20°	202271
25°	96489
30°	27878
35°	18150
40°	16574
45°	17087
50°	18046
55°	19153
60°	18902
65°	17953
70°	14938
75°	13132
80°	15153
85°	14089



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	379.5	31.1
10°-20°	464.7	38.1
20°-30°	185.9	15.2
30°-40°	46.6	3.8
40°-50°	42.8	3.5
50°-60°	44.1	3.6
60°-70°	33.5	2.7
70°-80°	17.3	1.4
80°-90°	6.2	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°	1030.2	84.4
0°-40°	1076.7	88.2
0°-60°	1163.6	95.3
0°-90°	1220.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1220.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4980	
5°	4433	380
15°	1647	465
25°	399	186
35°	68	47
45°	55	43
55°	50	44
65°	35	33
75°	16	17
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4980.4
1°	4925.4
2°	4851.2
3°	4754.5
4°	4603.5
5°	4432.7
6°	4218.8
7°	3981.6
8°	3702.1
9°	3397.2
10°	3089.5
11°	2776.1
12°	2467.6
13°	2179.6
14°	1901.5
15°	1646.7
16°	1415.9
17°	1228.2
18°	1075.0
19°	955.7
20°	866.8
21°	792.0
22°	706.5
23°	608.4
24°	502.6
25°	398.8
26°	298.6
27°	213.2
28°	150.3
29°	121.4
30°	110.1
32.5°	88.2
35°	67.8
37.5°	60.7
40°	57.9
42.5°	56.5
45°	55.1
47.5°	54.3
50°	52.9
52.5°	52.2
55°	50.1
57.5°	46.6
60°	43.1
62.5°	39.5
65°	34.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	28.2
70°	23.3
72.5°	18.4
75°	15.5
77.5°	14.1
80°	12.0
82.5°	8.5
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)