

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: P220496

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220496  
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]-LED5080-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1767.8 lumens  
Efficiency: N/A  
Efficacy: 88.0 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

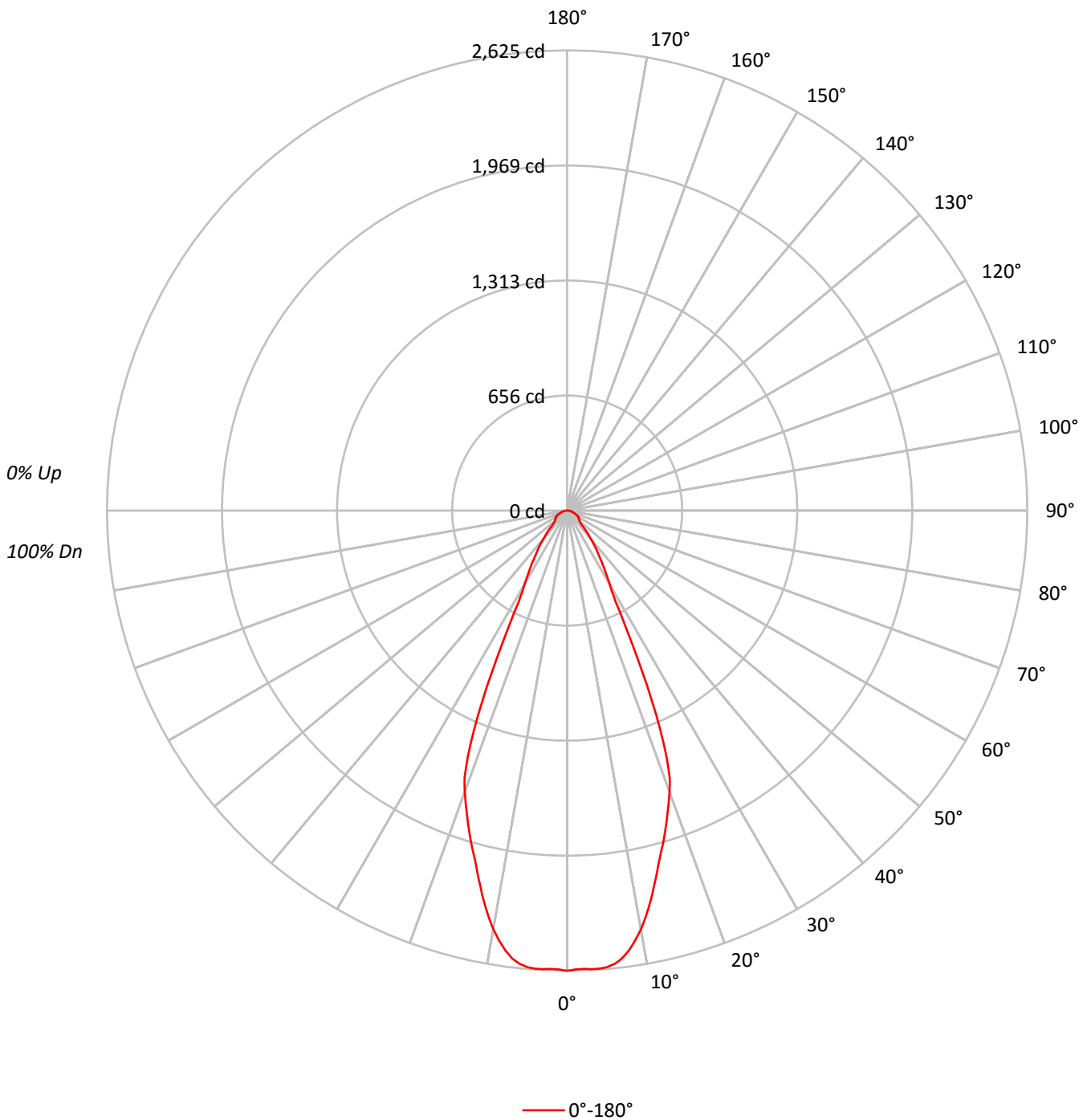
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	575634
5°	575323
10°	539870
15°	464361
20°	398778
25°	245555
30°	122576
35°	85929
40°	59769
45°	38330
50°	31180
55°	31769
60°	32366
65°	31287
70°	27953
75°	26434
80°	28918
85°	28682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.7	13.8
10°-20°	572.4	32.4
20°-30°	464.6	26.3
30°-40°	205.4	11.6
40°-50°	103.0	5.8
50°-60°	74.1	4.2
60°-70°	58.7	3.3
70°-80°	33.4	1.9
80°-90°	12.4	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°	1280.7	72.4
0°-40°	1486.1	84.1
0°-60°	1663.2	94.1
0°-90°	1767.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1767.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2625	
5°	2614	244
15°	2046	572
25°	1015	465
35°	321	205
45°	124	103
55°	83	74
65°	60	59
75°	31	33
85°	11	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2625.1
1°	2617.9
2°	2615.8
3°	2619.9
4°	2619.9
5°	2613.7
6°	2600.2
7°	2573.2
8°	2533.7
9°	2482.8
10°	2424.6
11°	2357.1
12°	2282.3
13°	2201.3
14°	2121.3
15°	2045.5
16°	1980.0
17°	1911.5
18°	1842.9
19°	1774.3
20°	1708.9
21°	1633.1
22°	1513.6
23°	1359.8
24°	1191.5
25°	1014.9
26°	848.7
27°	701.2
28°	589.0
29°	524.6
30°	484.1
32.5°	396.8
35°	321.0
37.5°	264.9
40°	208.8
42.5°	165.2
45°	123.6
47.5°	99.7
50°	91.4
52.5°	87.3
55°	83.1
57.5°	77.9
60°	73.8
62.5°	67.5
65°	60.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	50.9
70°	43.6
72.5°	35.3
75°	31.2
77.5°	27.0
80°	22.9
82.5°	17.7
85°	11.4
87.5°	5.2
90°	0.0

(END OF REPORT)