

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: P220448

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
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]-LED3597-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1439.4 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

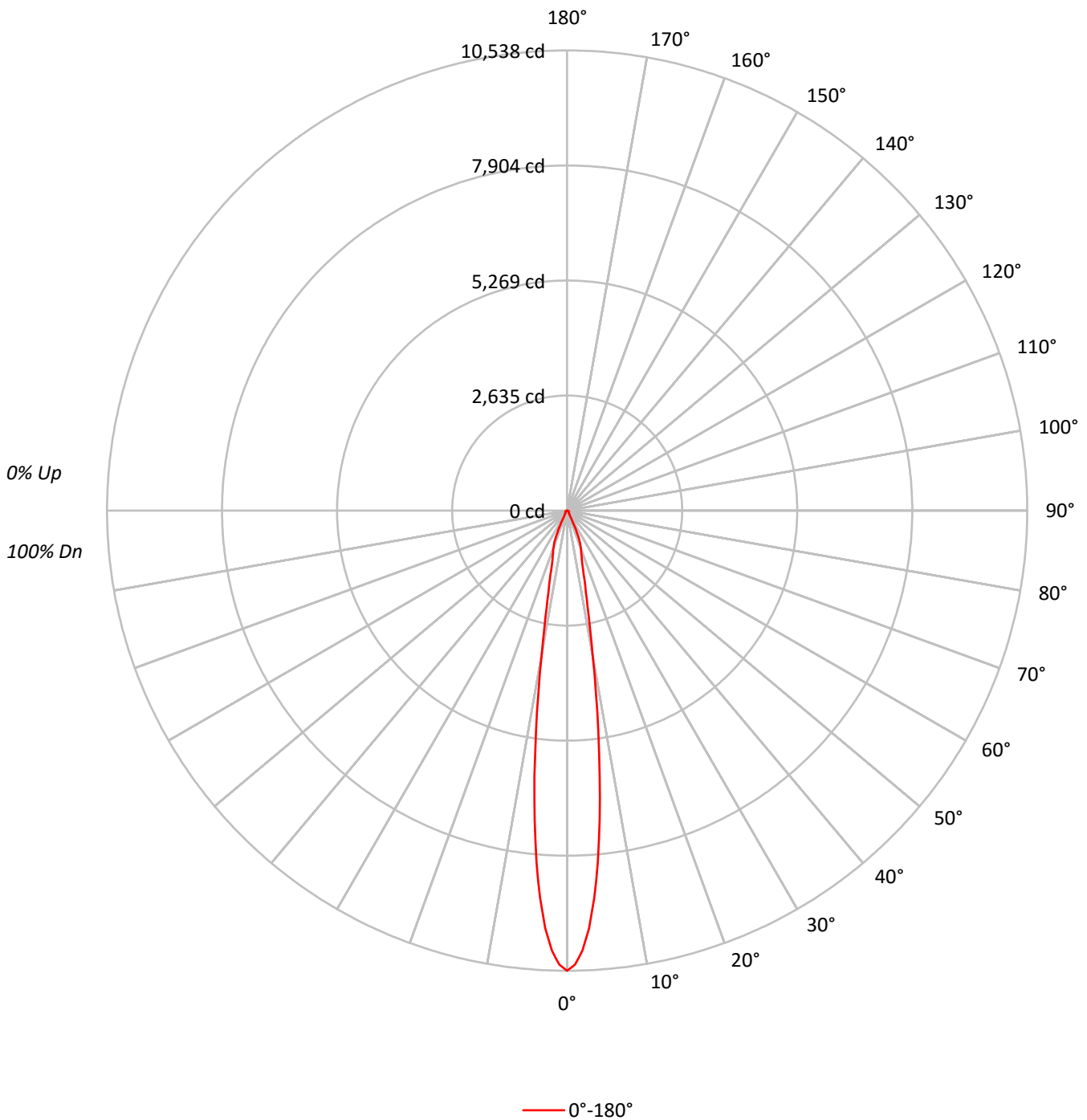
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	74	71	70

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

	0°
0°	2310889
5°	1775342
10°	752647
15°	322976
20°	214849
25°	102272
30°	25143
35°	18658
40°	17862
45°	17862
50°	18285
55°	20492
60°	20700
65°	19094
70°	15900
75°	14234
80°	16164
85°	16102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	608.0	42.2
10°-20°	435.1	30.2
20°-30°	196.7	13.7
30°-40°	46.4	3.2
40°-50°	44.6	3.1
50°-60°	47.0	3.3
60°-70°	36.2	2.5
70°-80°	18.7	1.3
80°-90°	6.7	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°	1239.8	86.1
0°-40°	1286.3	89.4
0°-60°	1377.8	95.7
0°-90°	1439.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1439.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10538	
5°	8065	608
15°	1423	435
25°	423	197
35°	70	46
45°	58	45
55°	54	47
65°	37	36
75°	17	19
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10538.5
1°	10400.8
2°	10080.6
3°	9573.0
4°	8890.0
5°	8065.4
6°	7120.7
7°	6131.1
8°	5131.2
9°	4196.8
10°	3380.2
11°	2730.1
12°	2254.5
13°	1905.5
14°	1632.5
15°	1422.7
16°	1253.8
17°	1140.1
18°	1055.2
19°	981.6
20°	920.7
22.5°	731.8
25°	422.7
26°	308.2
27°	209.8
28°	139.3
29°	109.7
30°	99.3
32.5°	83.3
35°	69.7
37.5°	64.8
40°	62.4
42.5°	60.0
45°	57.6
47.5°	55.2
50°	53.6
52.5°	53.6
55°	53.6
57.5°	52.0
60°	47.2
62.5°	43.2
65°	36.8
67.5°	30.4
70°	24.8
72.5°	20.0



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	16.8
77.5°	15.2
80°	12.8
82.5°	9.6
85°	6.4
87.5°	2.4
90°	0.0

(END OF REPORT)