

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: P220440

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220440
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-L1-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: 780.7 lumens
Efficiency: N/A
Efficacy: 79.7 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

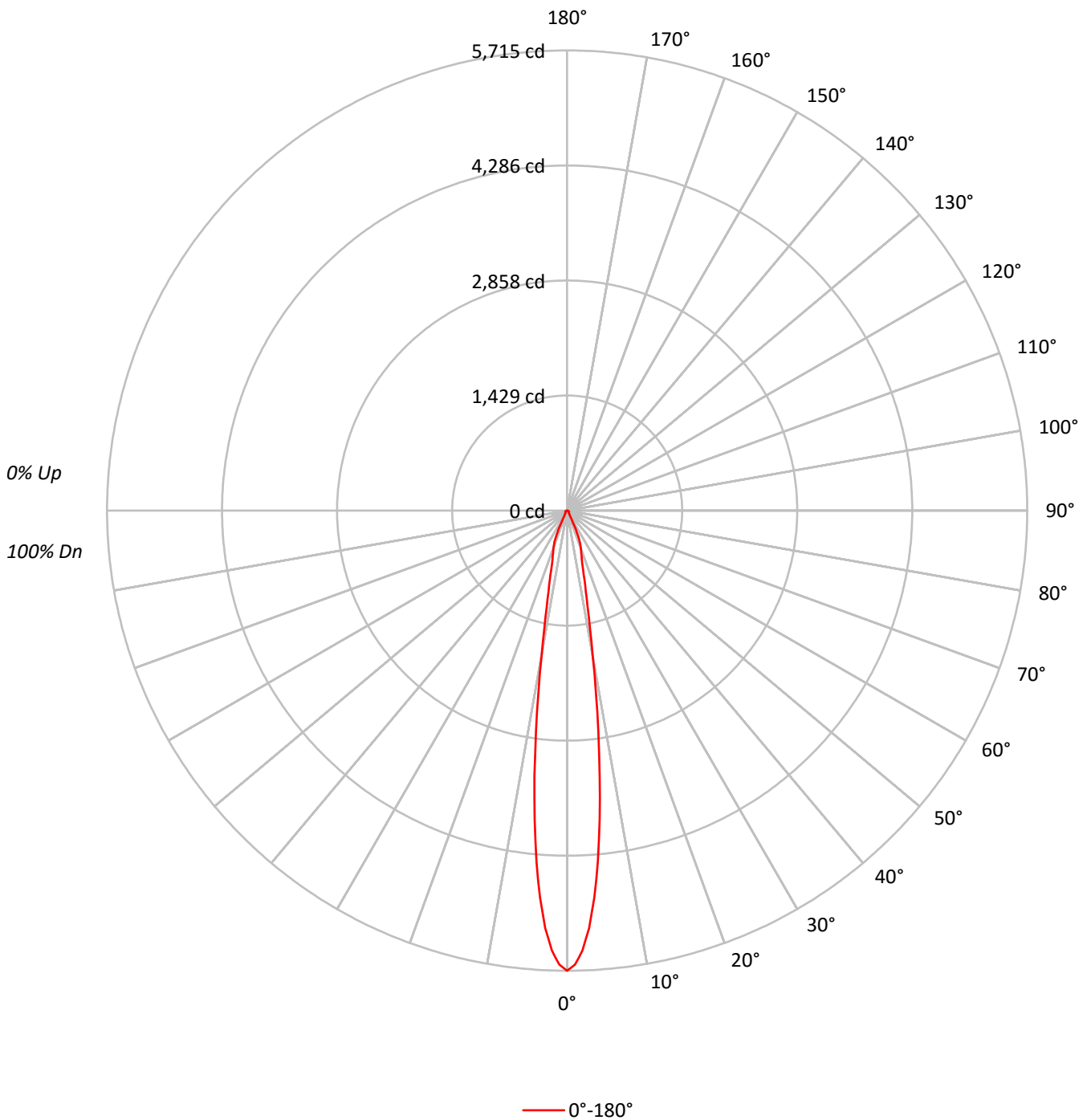
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	72	78	74	72	77	74	71	77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1253145
5°	962731
10°	408142
15°	175143
20°	116513
25°	55455
30°	13622
35°	10119
40°	9704
45°	9706
50°	9927
55°	11125
60°	11227
65°	10377
70°	8655
75°	7710
80°	8713
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.7	42.2
10°-20°	235.9	30.2
20°-30°	106.7	13.7
30°-40°	25.2	3.2
40°-50°	24.2	3.1
50°-60°	25.5	3.3
60°-70°	19.6	2.5
70°-80°	10.1	1.3
80°-90°	3.7	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°	672.3	86.1
0°-40°	697.5	89.3
0°-60°	747.2	95.7
0°-90°	780.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5715	
5°	4374	330
15°	772	236
25°	229	107
35°	38	25
45°	31	24
55°	29	25
65°	20	20
75°	9	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5714.8
1°	5640.1
2°	5466.4
3°	5191.2
4°	4820.9
5°	4373.7
6°	3861.4
7°	3324.8
8°	2782.5
9°	2275.8
10°	1833.0
11°	1480.5
12°	1222.6
13°	1033.3
14°	885.2
15°	771.5
16°	679.9
17°	618.2
18°	572.2
19°	532.3
20°	499.3
22.5°	396.8
25°	229.2
26°	167.1
27°	113.7
28°	75.5
29°	59.5
30°	53.8
32.5°	45.2
35°	37.8
37.5°	35.2
40°	33.9
42.5°	32.6
45°	31.3
47.5°	30.0
50°	29.1
52.5°	29.1
55°	29.1
57.5°	28.2
60°	25.6
62.5°	23.4
65°	20.0
67.5°	16.5
70°	13.5
72.5°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
75°	9.1
77.5°	8.2
80°	6.9
82.5°	5.2
85°	3.5
87.5°	1.3
90°	0.0

(END OF REPORT)