

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: P220435

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220435
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]-LED3590-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 788.2 lumens
Efficiency: N/A
Efficacy: 80.4 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

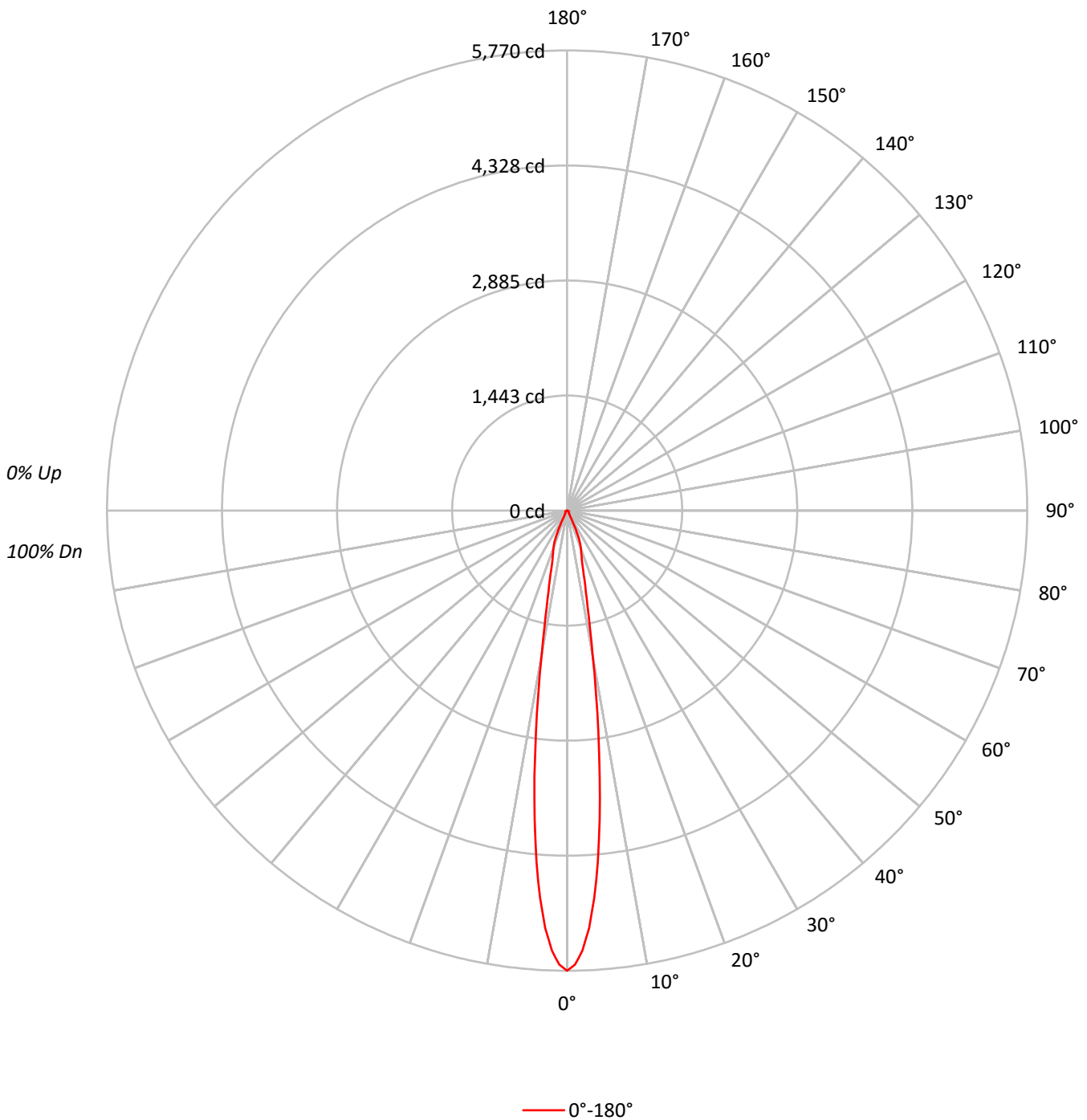
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86		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°	1265206
5°	971998
10°	412083
15°	176823
20°	117634
25°	55987
30°	13774
35°	10199
40°	9790
45°	9799
50°	10030
55°	11240
60°	11359
65°	10481
70°	8719
75°	7795
80°	8840
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	42.2
10°-20°	238.2	30.2
20°-30°	107.7	13.7
30°-40°	25.4	3.2
40°-50°	24.4	3.1
50°-60°	25.8	3.3
60°-70°	19.9	2.5
70°-80°	10.2	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°	678.8	86.1
0°-40°	704.2	89.3
0°-60°	754.4	95.7
0°-90°	788.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5770	
5°	4416	333
15°	779	238
25°	231	108
35°	38	25
45°	32	24
55°	29	26
65°	20	20
75°	9	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5769.8
1°	5694.4
2°	5519.1
3°	5241.2
4°	4867.3
5°	4415.8
6°	3898.6
7°	3356.8
8°	2809.3
9°	2297.8
10°	1850.7
11°	1494.7
12°	1234.4
13°	1043.2
14°	893.8
15°	778.9
16°	686.4
17°	624.2
18°	577.7
19°	537.4
20°	504.1
22.5°	400.6
25°	231.4
26°	168.8
27°	114.8
28°	76.3
29°	60.1
30°	54.4
32.5°	45.6
35°	38.1
37.5°	35.5
40°	34.2
42.5°	32.9
45°	31.6
47.5°	30.2
50°	29.4
52.5°	29.4
55°	29.4
57.5°	28.5
60°	25.9
62.5°	23.7
65°	20.2
67.5°	16.7
70°	13.6
72.5°	11.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	9.2
77.5°	8.3
80°	7.0
82.5°	5.3
85°	3.5
87.5°	1.3
90°	0.0

(END OF REPORT)