

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: P220643

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED3590-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
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]-FL-LED3590-S-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 745.0 lumens
Efficiency: N/A
Efficacy: 76.0 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

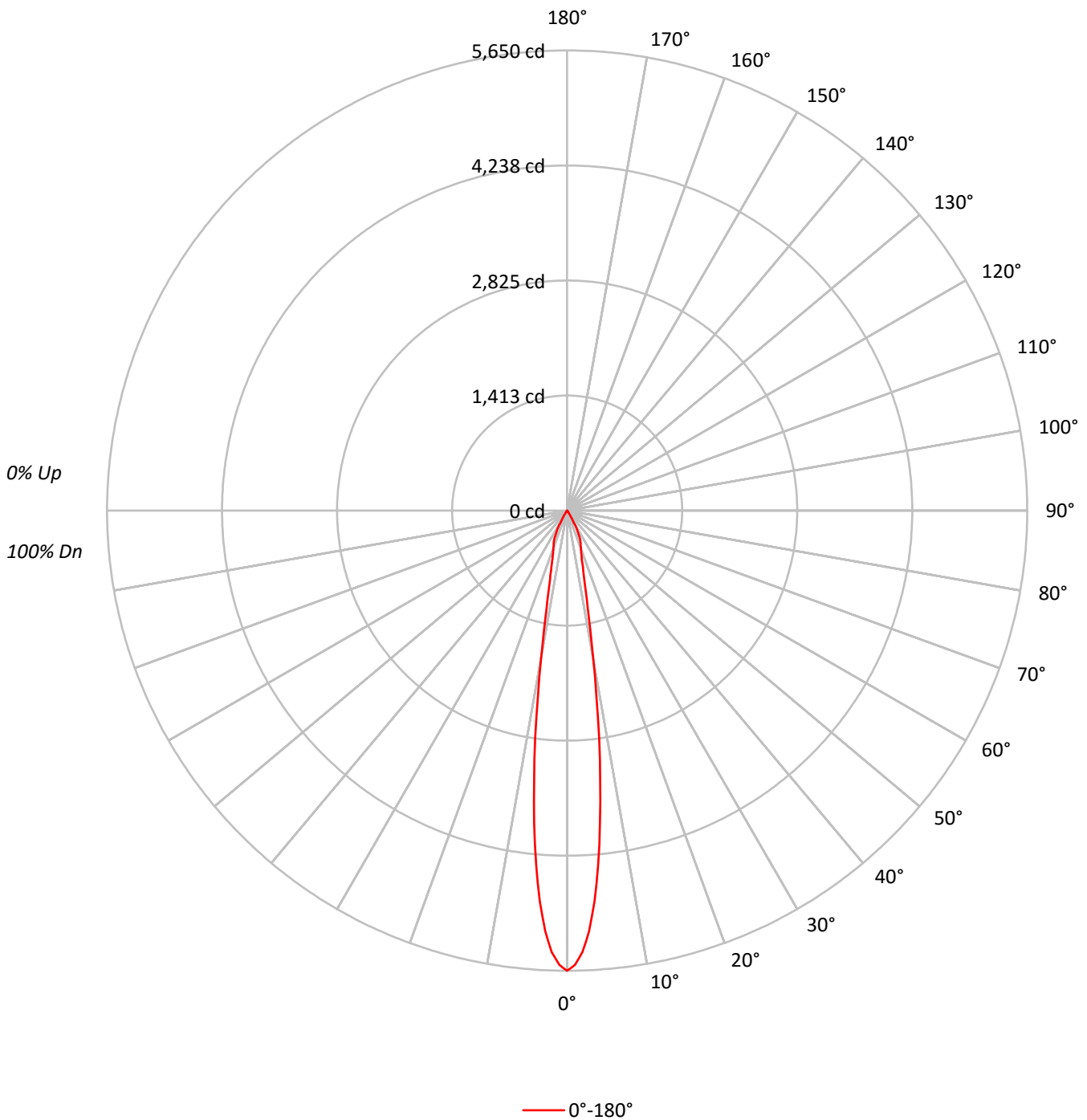
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	88	91	89	87	86
6	99	93	89	86	98	93	89	86	91	88	86	90	87	85	89	86	85	83
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79
9	92	86	82	79	91	85	82	79	84	81	79	84	81	79	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1238870
5°	961873
10°	410903
15°	173735
20°	115183
25°	86328
30°	33068
35°	5033
40°	2748
45°	1209
50°	887
55°	841
60°	965
65°	934
70°	833
75°	763
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.2	44.3
10°-20°	234.0	31.4
20°-30°	150.8	20.2
30°-40°	21.7	2.9
40°-50°	3.4	0.5
50°-60°	2.1	0.3
60°-70°	1.6	0.2
70°-80°	0.8	0.1
80°-90°	0.3	0.0
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°	715.1	96.0
0°-40°	736.8	98.9
0°-60°	742.3	99.6
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5650	
5°	4370	330
15°	765	234
25°	357	151
35°	19	22
45°	4	3
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5649.7
1°	5579.1
2°	5423.1
3°	5166.7
4°	4809.8
5°	4369.8
6°	3863.9
7°	3335.7
8°	2813.2
9°	2296.9
10°	1845.4
11°	1476.7
12°	1211.1
13°	1016.9
14°	872.7
15°	765.3
16°	676.8
17°	612.4
18°	566.3
19°	526.0
20°	493.6
21°	465.5
22°	441.0
23°	418.2
24°	391.9
25°	356.8
26°	315.6
27°	271.3
28°	223.1
29°	175.3
30°	130.6
32.5°	43.4
35°	18.8
37.5°	13.6
40°	9.6
42.5°	4.8
45°	3.9
47.5°	3.1
50°	2.6
52.5°	2.6
55°	2.2
57.5°	2.2
60°	2.2
62.5°	1.8
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	1.3
72.5°	0.9
75°	0.9
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)