

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: P220452

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 758.1 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

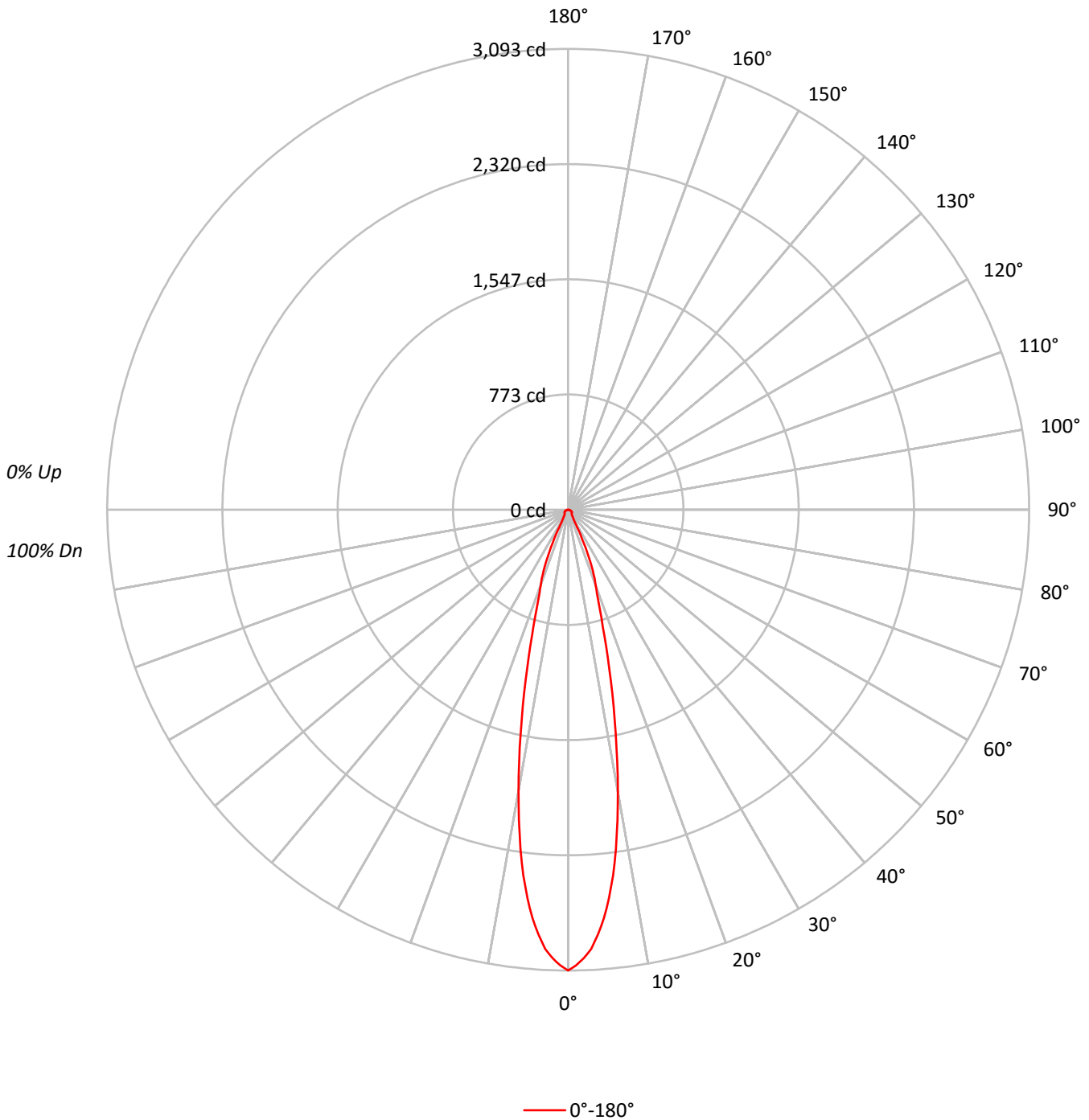
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	678213
5°	605942
10°	427202
15°	232147
20°	125614
25°	59931
30°	17319
35°	11270
40°	10276
45°	10606
50°	11224
55°	11890
60°	11710
65°	11156
70°	9296
75°	8133
80°	9471
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.7	31.1
10°-20°	288.6	38.1
20°-30°	115.4	15.2
30°-40°	28.9	3.8
40°-50°	26.6	3.5
50°-60°	27.4	3.6
60°-70°	20.8	2.7
70°-80°	10.8	1.4
80°-90°	3.9	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°	639.8	84.4
0°-40°	668.7	88.2
0°-60°	722.6	95.3
0°-90°	758.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3093	
5°	2753	236
15°	1023	289
25°	248	115
35°	42	29
45°	34	27
55°	31	27
65°	22	21
75°	10	11
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3092.9
1°	3058.7
2°	3012.7
3°	2952.6
4°	2858.8
5°	2752.8
6°	2619.9
7°	2472.7
8°	2299.1
9°	2109.7
10°	1918.6
11°	1724.0
12°	1532.4
13°	1353.6
14°	1180.9
15°	1022.6
16°	879.3
17°	762.7
18°	667.6
19°	593.5
20°	538.3
21°	491.8
22°	438.8
23°	377.8
24°	312.1
25°	247.7
26°	185.4
27°	132.4
28°	93.4
29°	75.4
30°	68.4
32.5°	54.8
35°	42.1
37.5°	37.7
40°	35.9
42.5°	35.1
45°	34.2
47.5°	33.8
50°	32.9
52.5°	32.4
55°	31.1
57.5°	28.9
60°	26.7
62.5°	24.5
65°	21.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.5
70°	14.5
72.5°	11.4
75°	9.6
77.5°	8.8
80°	7.5
82.5°	5.3
85°	3.5
87.5°	1.8
90°	0.0

(END OF REPORT)