

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: P220469

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 822.9 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

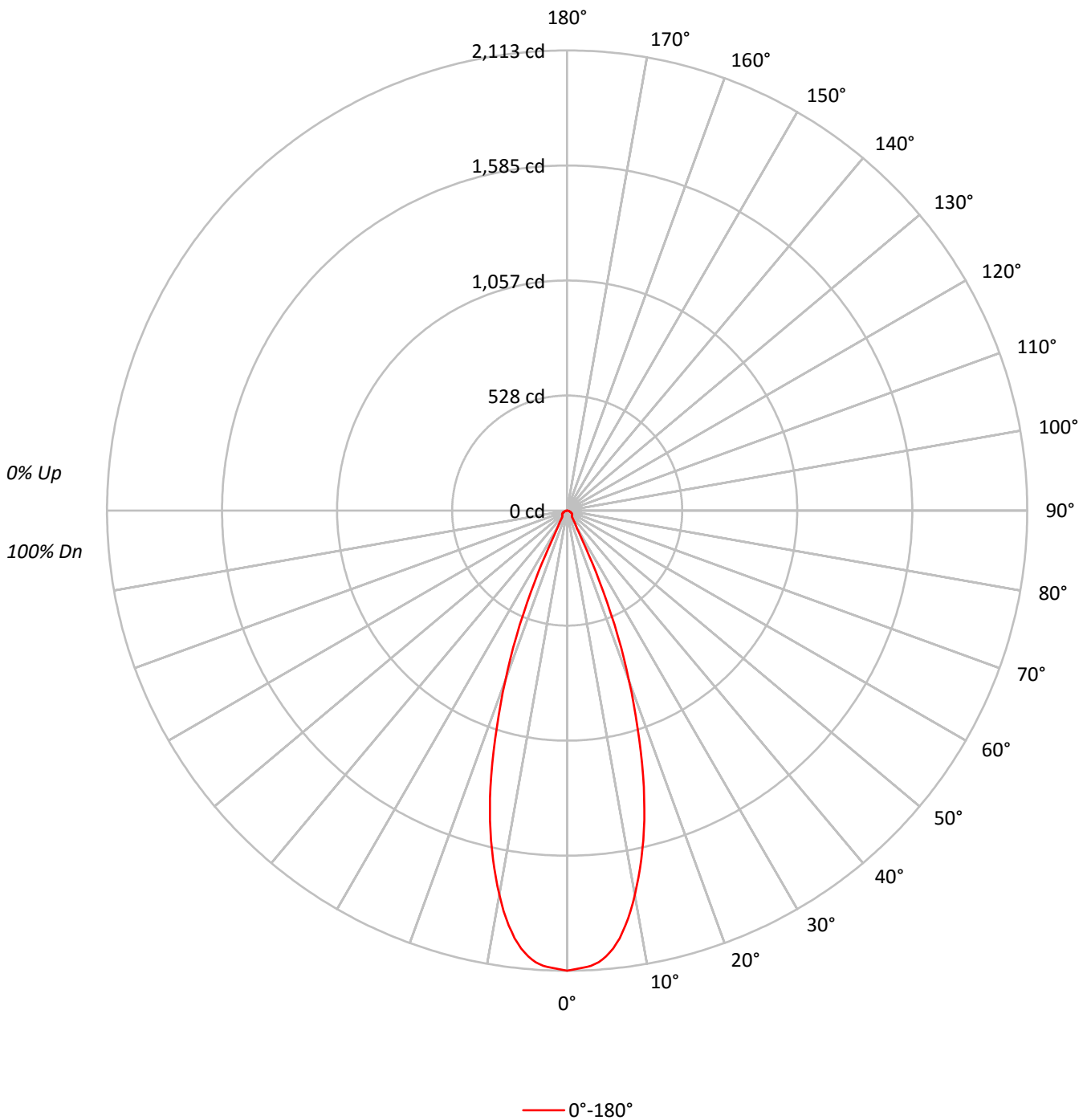
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	463296
5°	452321
10°	398991
15°	310467
20°	193940
25°	75730
30°	20636
35°	12073
40°	9675
45°	9799
50°	10302
55°	10552
60°	10394
65°	9547
70°	8142
75°	7456
80°	8334
85°	7799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	22.8
10°-20°	366.5	44.5
20°-30°	157.2	19.1
30°-40°	31.0	3.8
40°-50°	24.6	3.0
50°-60°	24.5	3.0
60°-70°	18.1	2.2
70°-80°	9.7	1.2
80°-90°	3.4	0.4
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°	711.6	86.5
0°-40°	742.6	90.2
0°-60°	791.7	96.2
0°-90°	822.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2113	
5°	2055	188
15°	1368	367
25°	313	157
35°	45	31
45°	32	25
55°	28	24
65°	18	18
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2112.8
1°	2106.6
2°	2100.1
3°	2093.9
4°	2079.5
5°	2054.9
6°	2022.0
7°	1979.1
8°	1924.3
9°	1862.5
10°	1791.9
11°	1716.5
12°	1638.1
13°	1553.0
14°	1463.6
15°	1367.6
16°	1265.0
17°	1157.2
18°	1045.9
19°	936.7
20°	831.1
21°	730.7
22°	622.9
23°	512.4
24°	407.2
25°	313.0
26°	231.0
27°	163.5
28°	116.6
29°	92.5
30°	81.5
32.5°	61.8
35°	45.1
37.5°	36.8
40°	33.8
42.5°	32.4
45°	31.6
47.5°	31.1
50°	30.2
52.5°	28.9
55°	27.6
57.5°	25.9
60°	23.7
62.5°	21.5
65°	18.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.3
70°	12.7
72.5°	10.5
75°	8.8
77.5°	7.9
80°	6.6
82.5°	4.8
85°	3.1
87.5°	1.3
90°	0.0

(END OF REPORT)