

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: P220563

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1106.0 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

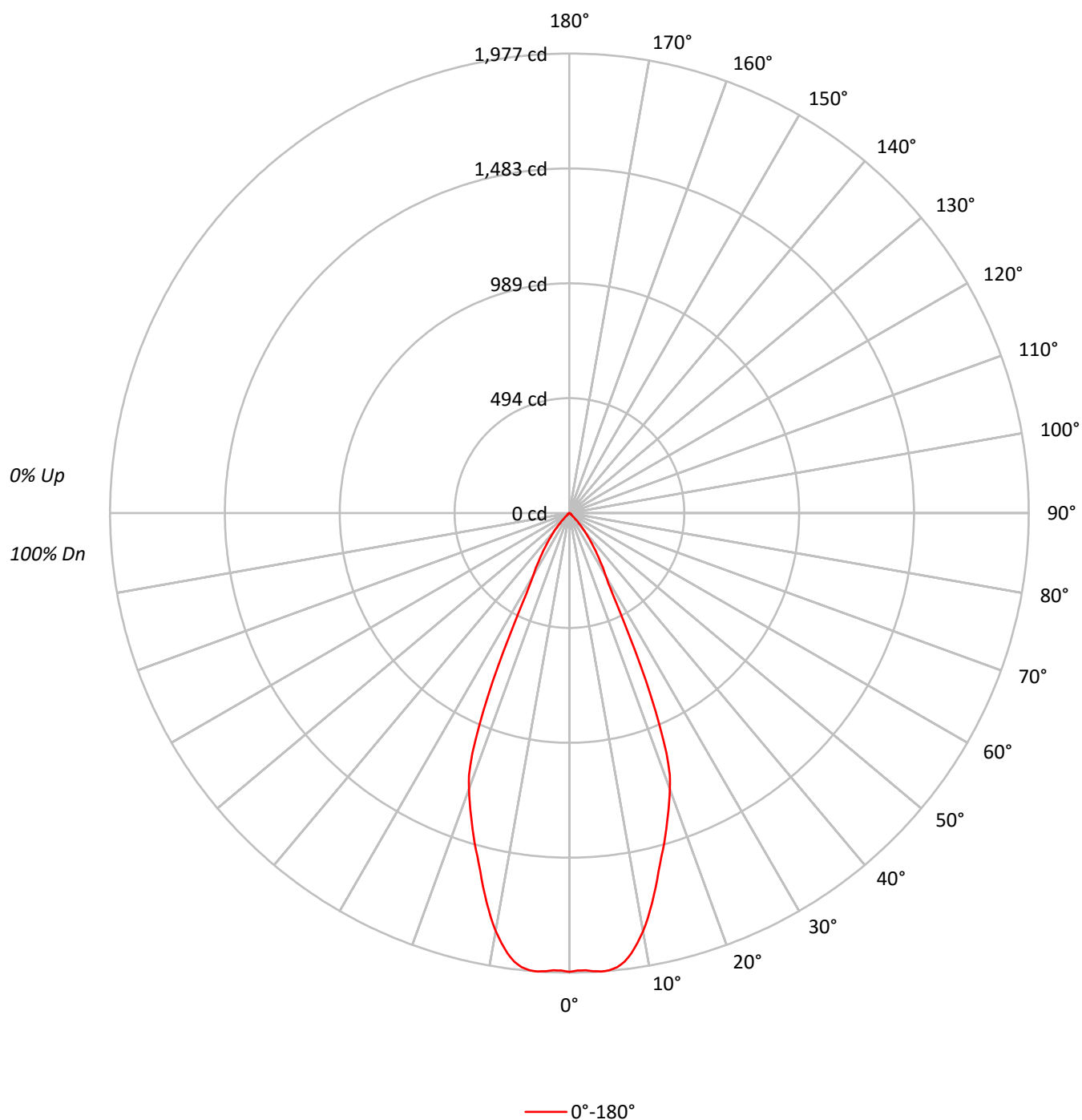
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	105	104	102	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76		
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72		
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69		
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	69	67	66		
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63		
10	78	70	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	60		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	432838
5°	434668
10°	406583
15°	347380
20°	295192
25°	175438
30°	79810
35°	50621
40°	28682
45°	10513
50°	3309
55°	2485
60°	2105
65°	1245
70°	513
75°	678
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	16.6
10°-20°	427.7	38.7
20°-30°	332.0	30.0
30°-40°	121.0	10.9
40°-50°	32.0	2.9
50°-60°	6.0	0.5
60°-70°	2.7	0.2
70°-80°	0.7	0.1
80°-90°	0.0	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°	943.6	85.3
0°-40°	1064.6	96.3
0°-60°	1102.6	99.7
0°-90°	1106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1106.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1974	
5°	1975	184
15°	1530	428
25°	725	332
35°	189	121
45°	34	32
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1973.9
1°	1968.3
2°	1968.3
3°	1973.9
4°	1977.2
5°	1974.7
6°	1965.0
7°	1944.8
8°	1913.3
9°	1872.1
10°	1826.0
11°	1772.7
12°	1713.7
13°	1651.4
14°	1587.6
15°	1530.2
16°	1478.4
17°	1423.5
18°	1370.9
19°	1317.6
20°	1265.0
21°	1206.8
22°	1114.7
23°	993.4
24°	861.7
25°	725.1
26°	596.5
27°	481.8
28°	395.3
29°	346.0
30°	315.2
32.5°	248.2
35°	189.1
37.5°	142.3
40°	100.2
42.5°	66.3
45°	33.9
47.5°	15.4
50°	9.7
52.5°	7.3
55°	6.5
57.5°	5.7
60°	4.8
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)