

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: P220478

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220478
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-L2-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: 1517.5 lumens
Efficiency: N/A
Efficacy: 75.5 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

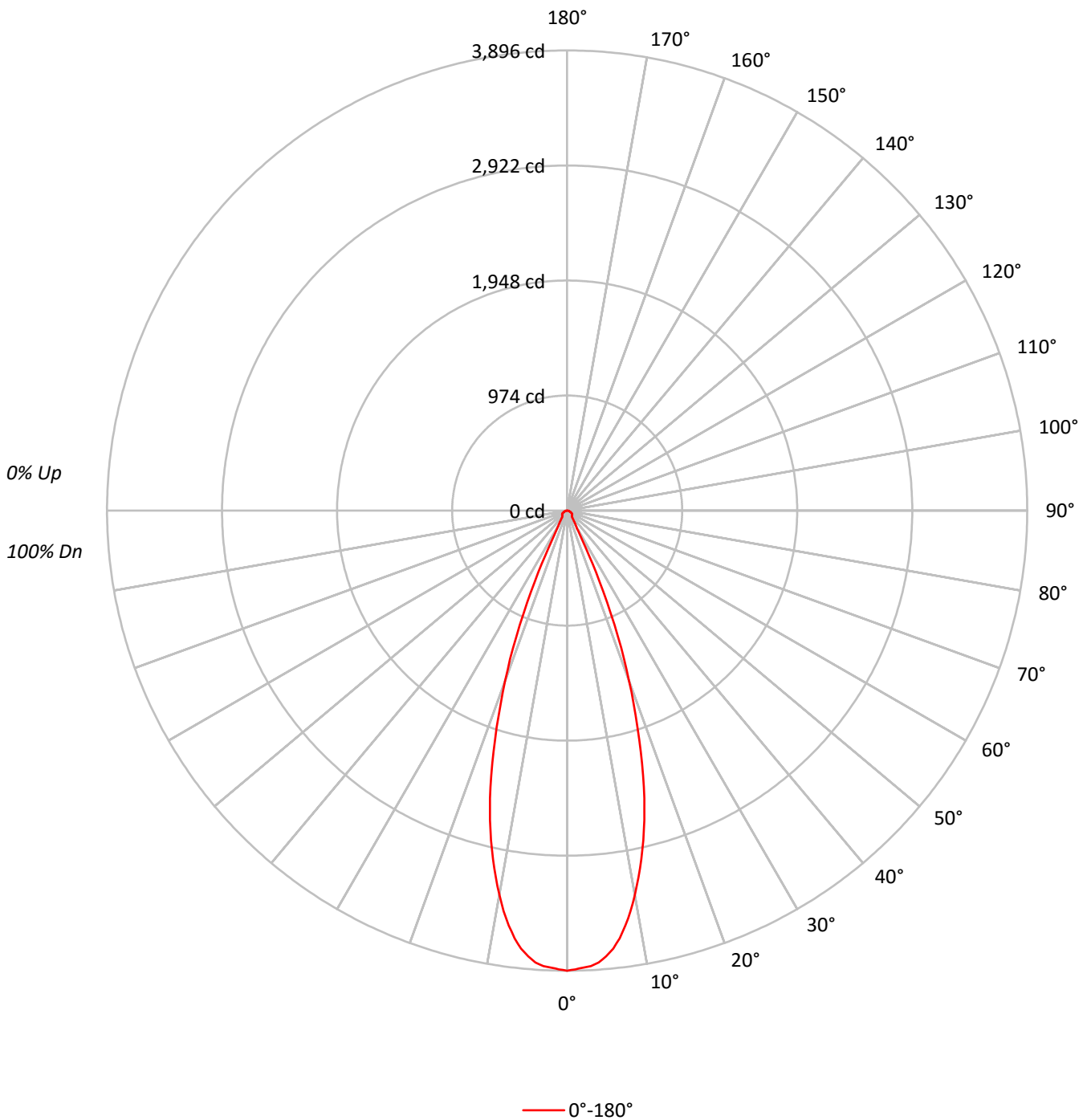
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	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°	854339
5°	834116
10°	735769
15°	572535
20°	357638
25°	139629
30°	38056
35°	22299
40°	17805
45°	18048
50°	19036
55°	19459
60°	19121
65°	17589
70°	15003
75°	13725
80°	15280
85°	14341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.3	22.8
10°-20°	675.9	44.5
20°-30°	290.0	19.1
30°-40°	57.2	3.8
40°-50°	45.3	3.0
50°-60°	45.1	3.0
60°-70°	33.4	2.2
70°-80°	17.9	1.2
80°-90°	6.3	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°	1312.2	86.5
0°-40°	1369.5	90.2
0°-60°	1459.9	96.2
0°-90°	1517.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1517.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3896	
5°	3789	346
15°	2522	676
25°	577	290
35°	83	57
45°	58	45
55°	51	45
65°	34	33
75°	16	18
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3896.1
1°	3884.8
2°	3872.7
3°	3861.4
4°	3834.7
5°	3789.4
6°	3728.8
7°	3649.6
8°	3548.5
9°	3434.6
10°	3304.4
11°	3165.4
12°	3020.7
13°	2863.9
14°	2699.0
15°	2522.0
16°	2332.8
17°	2134.0
18°	1928.7
19°	1727.4
20°	1532.6
21°	1347.5
22°	1148.6
23°	944.9
24°	750.9
25°	577.1
26°	426.0
27°	301.5
28°	215.0
29°	170.6
30°	150.3
32.5°	114.0
35°	83.3
37.5°	67.9
40°	62.2
42.5°	59.8
45°	58.2
47.5°	57.4
50°	55.8
52.5°	53.3
55°	50.9
57.5°	47.7
60°	43.6
62.5°	39.6
65°	33.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	28.3
70°	23.4
72.5°	19.4
75°	16.2
77.5°	14.5
80°	12.1
82.5°	8.9
85°	5.7
87.5°	2.4
90°	0.0

(END OF REPORT)