

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: P29478

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4080-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29478
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-LED4080-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1787.1 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

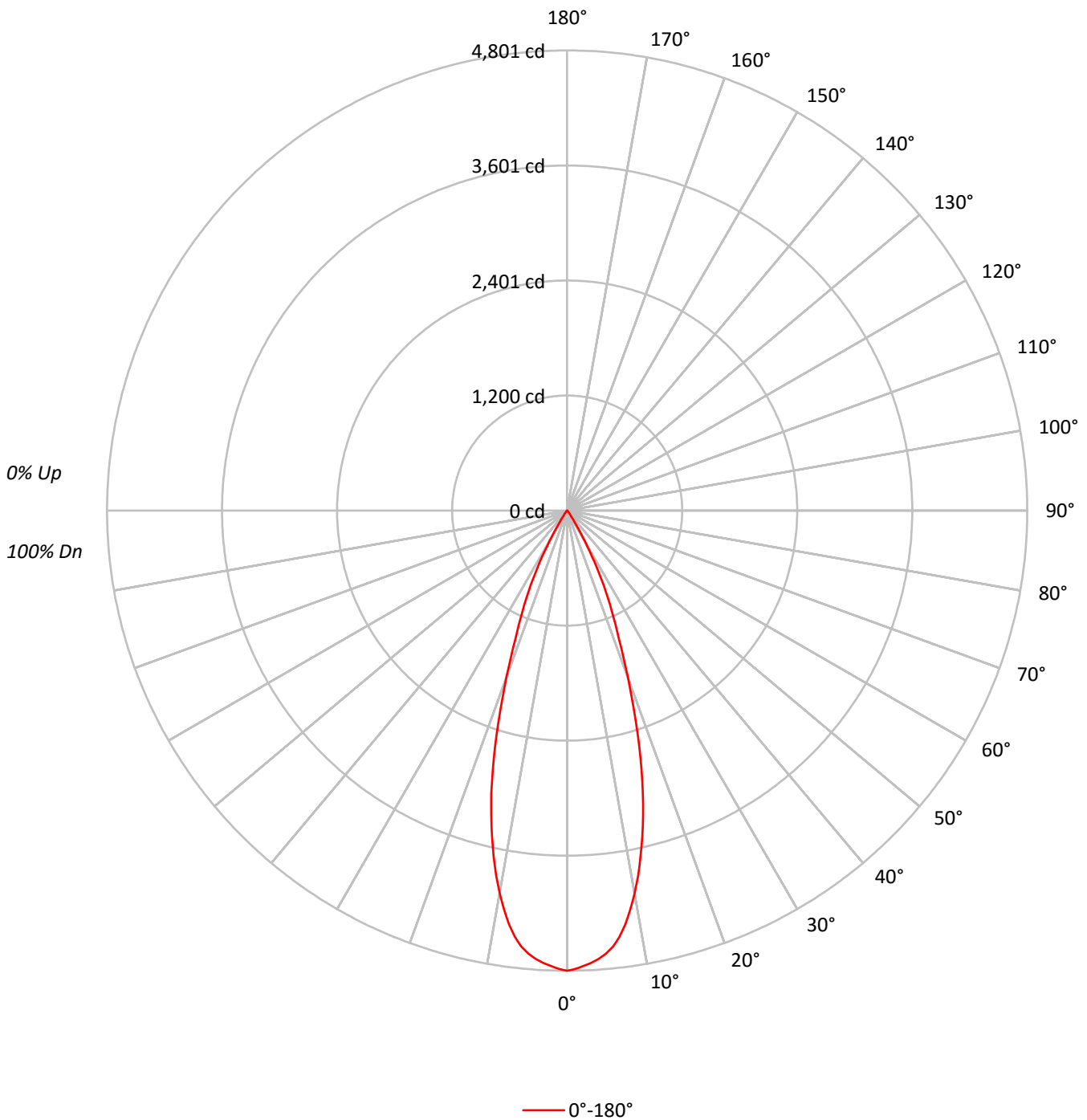
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	85	81	78	91	85	81	77	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	72
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1052767
5°	1021569
10°	903123
15°	693534
20°	431704
25°	243401
30°	92419
35°	19809
40°	7729
45°	2481
50°	2047
55°	1529
60°	1316
65°	1557
70°	1282
75°	1694
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.8	23.8
10°-20°	819.8	45.9
20°-30°	457.1	25.6
30°-40°	69.1	3.9
40°-50°	7.7	0.4
50°-60°	3.9	0.2
60°-70°	2.6	0.1
70°-80°	1.7	0.1
80°-90°	0.4	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°	1701.7	95.2
0°-40°	1770.8	99.1
0°-60°	1782.4	99.7
0°-90°	1787.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4801	
5°	4641	425
15°	3055	820
25°	1006	457
35°	74	69
45°	8	8
55°	4	4
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4801
1°	4784
2°	4756
3°	4727
4°	4690
5°	4641
6°	4575
7°	4480
8°	4358
9°	4214
10°	4056
11°	3879
12°	3687
13°	3488
14°	3275
15°	3055
16°	2817
17°	2571
18°	2321
19°	2082
20°	1850
21°	1635
22°	1445
23°	1285
24°	1146
25°	1006
26°	869
27°	736
28°	607
29°	483
30°	365
32.5°	146
35°	74
37.5°	46
40°	27
42.5°	10
45°	8
47.5°	6
50°	6
52.5°	5
55°	4
57.5°	4
60°	3
62.5°	3
65°	3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2
70°	2
72.5°	2
75°	2
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)