

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: P29468

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29468
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]-LED4080-S-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1798.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

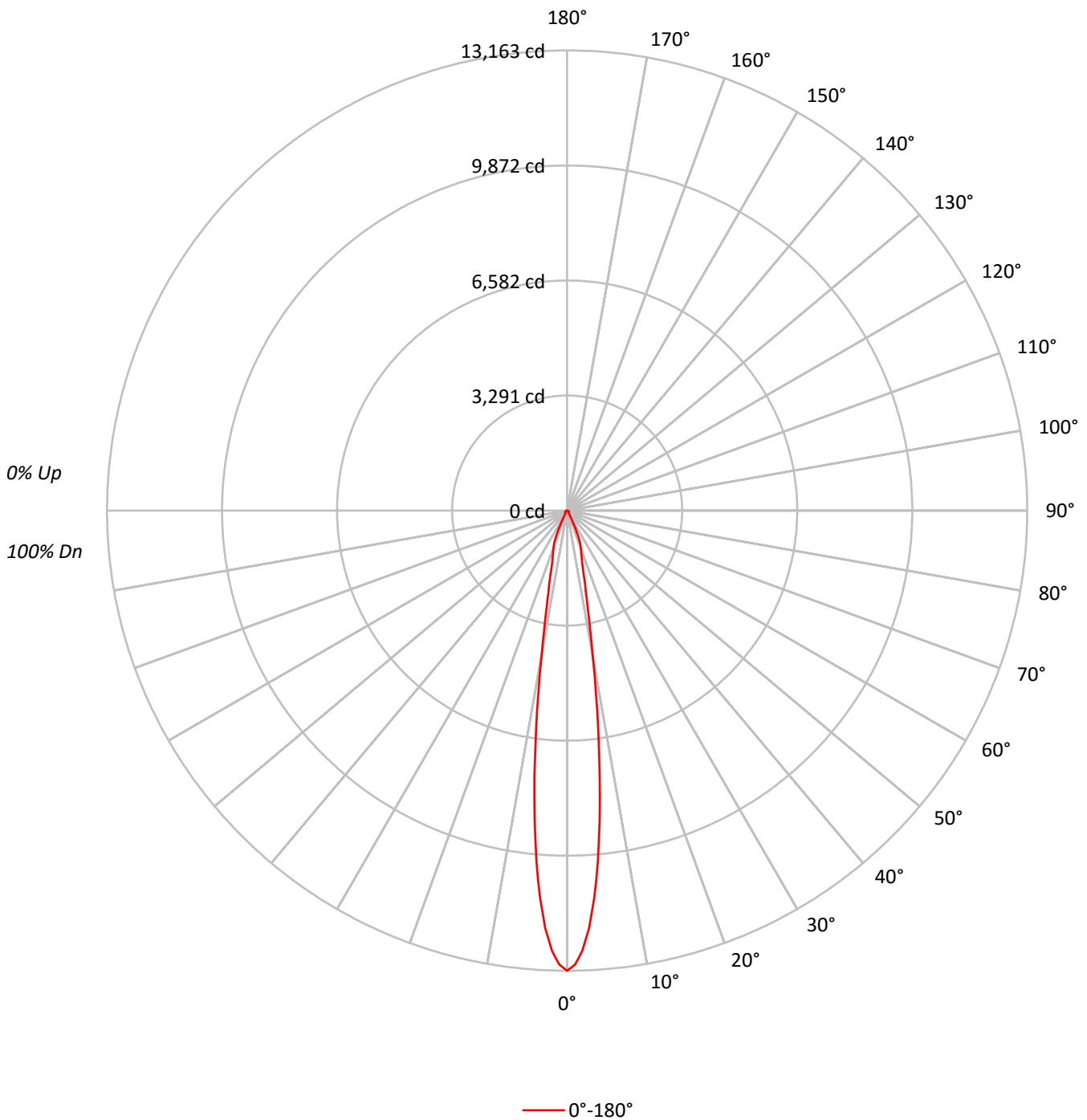
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	79	75	72	85	79	74	72	78	74	72	77	74	71	77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2886392
5°	2217472
10°	940085
15°	403408
20°	268357
25°	127749
30°	31397
35°	23289
40°	22328
45°	22328
50°	22856
55°	25614
60°	25875
65°	23868
70°	19875
75°	17792
80°	20205
85°	20128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.4	42.2
10°-20°	543.4	30.2
20°-30°	245.7	13.7
30°-40°	58.0	3.2
40°-50°	55.7	3.1
50°-60°	58.7	3.3
60°-70°	45.2	2.5
70°-80°	23.4	1.3
80°-90°	8.4	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°	1548.6	86.1
0°-40°	1606.6	89.4
0°-60°	1721.0	95.7
0°-90°	1798.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13163	
5°	10074	759
15°	1777	543
25°	528	246
35°	87	58
45°	72	56
55°	67	59
65°	46	45
75°	21	23
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13163
1°	12991
2°	12591
3°	11957
4°	11104
5°	10074
6°	8894
7°	7658
8°	6409
9°	5242
10°	4222
11°	3410
12°	2816
13°	2380
14°	2039
15°	1777
16°	1566
17°	1424
18°	1318
19°	1226
20°	1150
22.5°	914
25°	528
26°	385
27°	262
28°	174
29°	137
30°	124
32.5°	104
35°	87
37.5°	81
40°	78
42.5°	75
45°	72
47.5°	69
50°	67
52.5°	67
55°	67
57.5°	65
60°	59
62.5°	54
65°	46
67.5°	38
70°	31
72.5°	25



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CANDELA DISTRIBUTION (continued):

	0°
75°	21
77.5°	19
80°	16
82.5°	12
85°	8
87.5°	3
90°	0

(END OF REPORT)