

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: P29476

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29476
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-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1699.8 lumens
Efficiency: N/A
Efficacy: 84.6 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

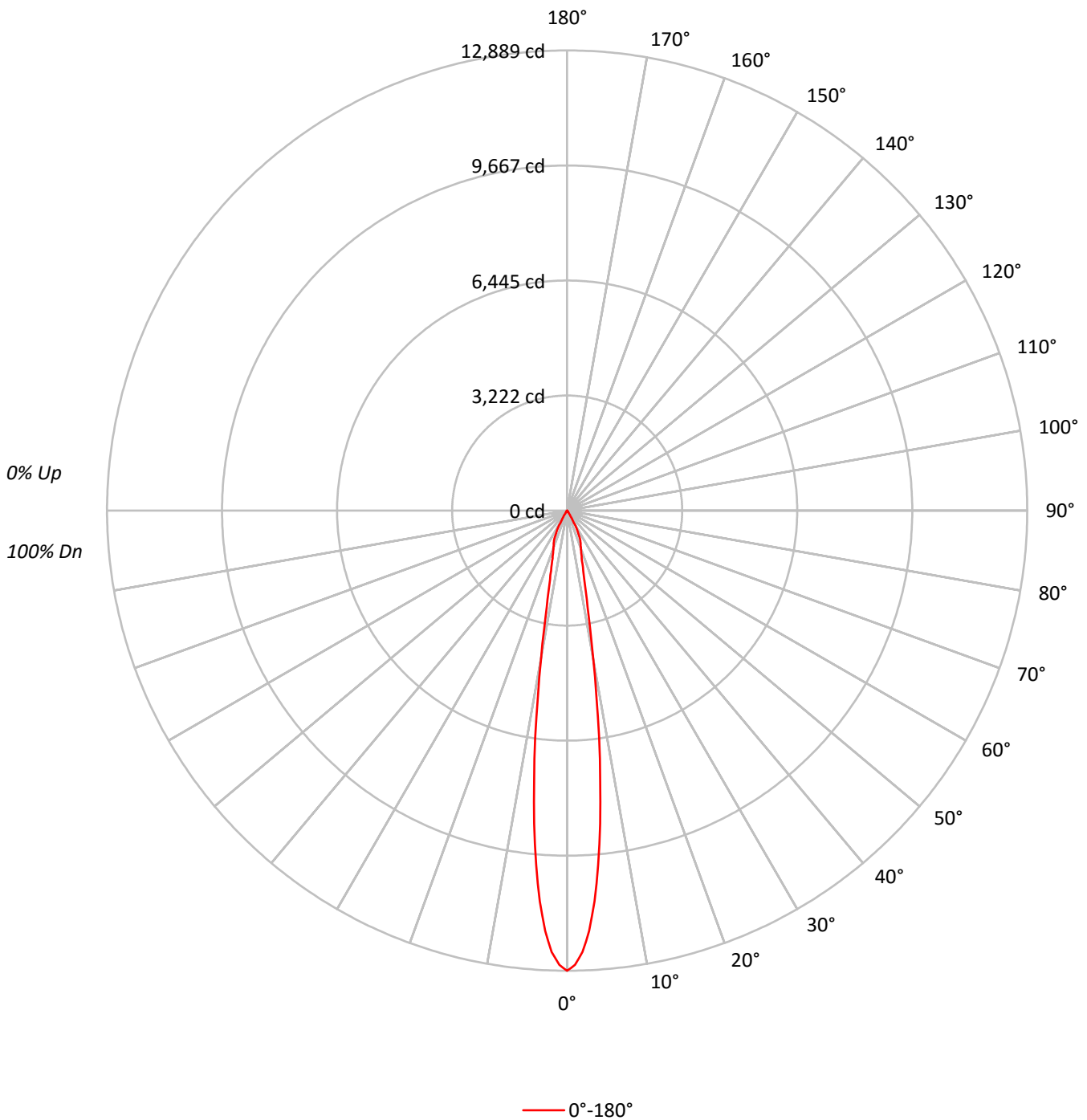
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	88	91	89	87	86
6	99	93	89	86	98	93	89	86	91	88	86	90	87	85	89	86	85	83
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79
9	92	86	82	79	91	85	82	79	84	81	79	84	81	79	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2826309
5°	2194359
10°	937413
15°	396370
20°	262756
25°	196947
30°	75455
35°	11511
40°	6298
45°	2791
50°	2047
55°	1912
60°	2193
65°	2075
70°	1923
75°	1694
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.4	44.3
10°-20°	533.8	31.4
20°-30°	344.1	20.2
30°-40°	49.6	2.9
40°-50°	7.8	0.5
50°-60°	4.8	0.3
60°-70°	3.7	0.2
70°-80°	1.8	0.1
80°-90°	0.7	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°	1631.3	96.0
0°-40°	1680.9	98.9
0°-60°	1693.5	99.6
0°-90°	1699.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1699.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12889	
5°	9969	753
15°	1746	534
25°	814	344
35°	43	50
45°	9	8
55°	5	5
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12889
1°	12728
2°	12372
3°	11787
4°	10973
5°	9969
6°	8815
7°	7610
8°	6418
9°	5240
10°	4210
11°	3369
12°	2763
13°	2320
14°	1991
15°	1746
16°	1544
17°	1397
18°	1292
19°	1200
20°	1126
21°	1062
22°	1006
23°	954
24°	894
25°	814
26°	720
27°	619
28°	509
29°	400
30°	298
32.5°	99
35°	43
37.5°	31
40°	22
42.5°	11
45°	9
47.5°	7
50°	6
52.5°	6
55°	5
57.5°	5
60°	5
62.5°	4
65°	4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	3
72.5°	2
75°	2
77.5°	1
80°	1
82.5°	1
85°	1
87.5°	0
90°	0

(END OF REPORT)