

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: P220687

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED5080-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-LED5080-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1856.5 lumens
Efficiency: N/A
Efficacy: 92.4 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

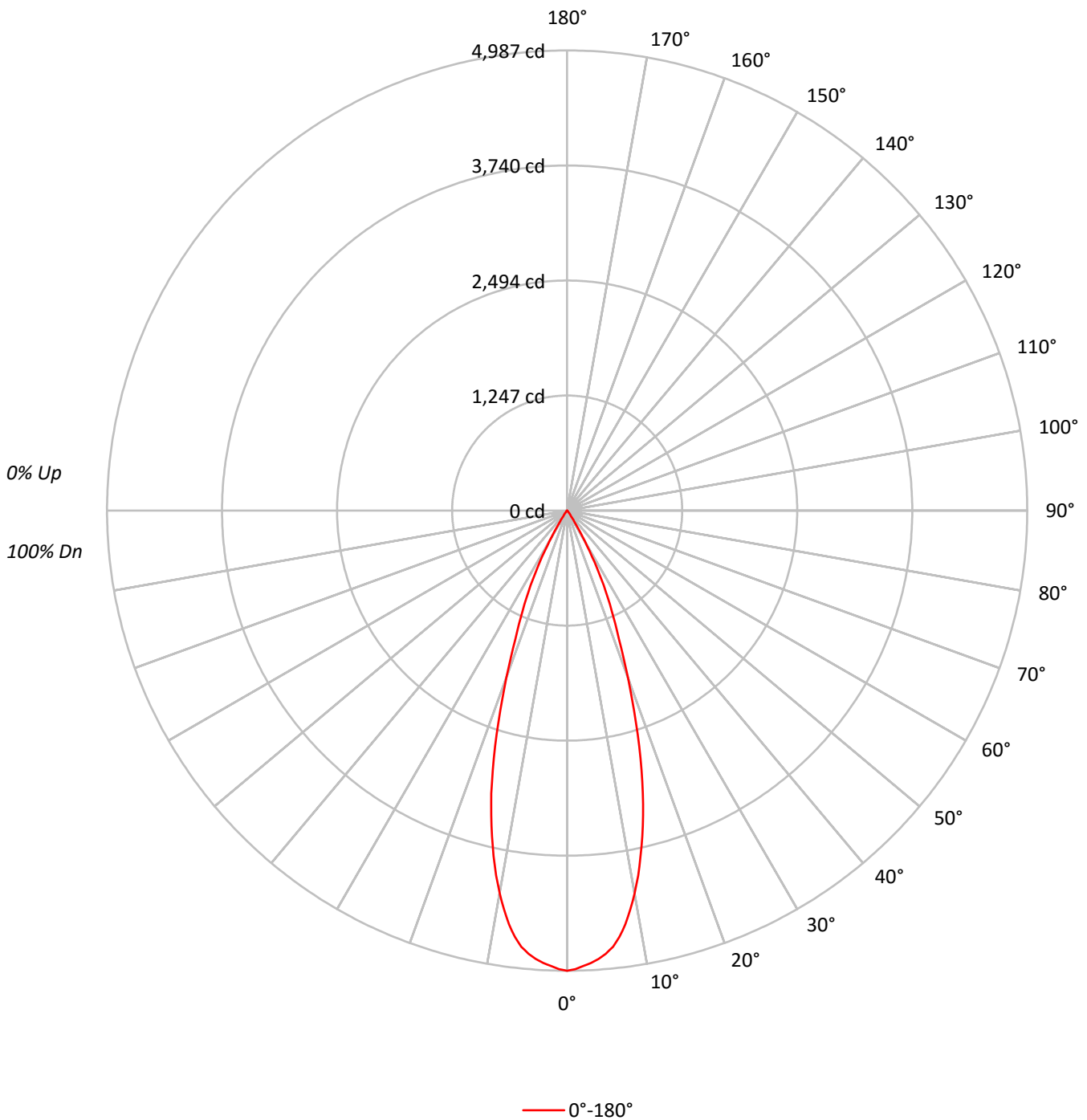
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	73
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°	1093640
5°	1061234
10°	938192
15°	720458
20°	448459
25°	252861
30°	96015
35°	20586
40°	8015
45°	2574
50°	2115
55°	1606
60°	1360
65°	1608
70°	1346
75°	1779
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.3	23.8
10°-20°	851.6	45.9
20°-30°	474.9	25.6
30°-40°	71.8	3.9
40°-50°	8.0	0.4
50°-60°	4.1	0.2
60°-70°	2.7	0.1
70°-80°	1.8	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°	1767.8	95.2
0°-40°	1839.6	99.1
0°-60°	1851.6	99.7
0°-90°	1856.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1856.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4987	
5°	4821	441
15°	3174	852
25°	1045	475
35°	77	72
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°	4987.4
1°	4969.8
2°	4940.7
3°	4910.6
4°	4872.1
5°	4821.2
6°	4752.7
7°	4654.0
8°	4527.2
9°	4377.6
10°	4213.5
11°	4029.6
12°	3830.2
13°	3623.5
14°	3402.2
15°	3173.6
16°	2926.4
17°	2670.8
18°	2411.1
19°	2162.9
20°	1921.8
21°	1698.5
22°	1501.1
23°	1334.9
24°	1190.5
25°	1045.1
26°	902.7
27°	764.6
28°	630.6
29°	501.8
30°	379.2
32.5°	151.7
35°	76.9
37.5°	47.8
40°	28.0
42.5°	10.4
45°	8.3
47.5°	6.2
50°	6.2
52.5°	5.2
55°	4.2
57.5°	4.2
60°	3.1
62.5°	3.1
65°	3.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	2.1
72.5°	2.1
75°	2.1
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)