

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: P220645

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED5080-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-LED5080-S-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 957.6 lumens
Efficiency: N/A
Efficacy: 97.7 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

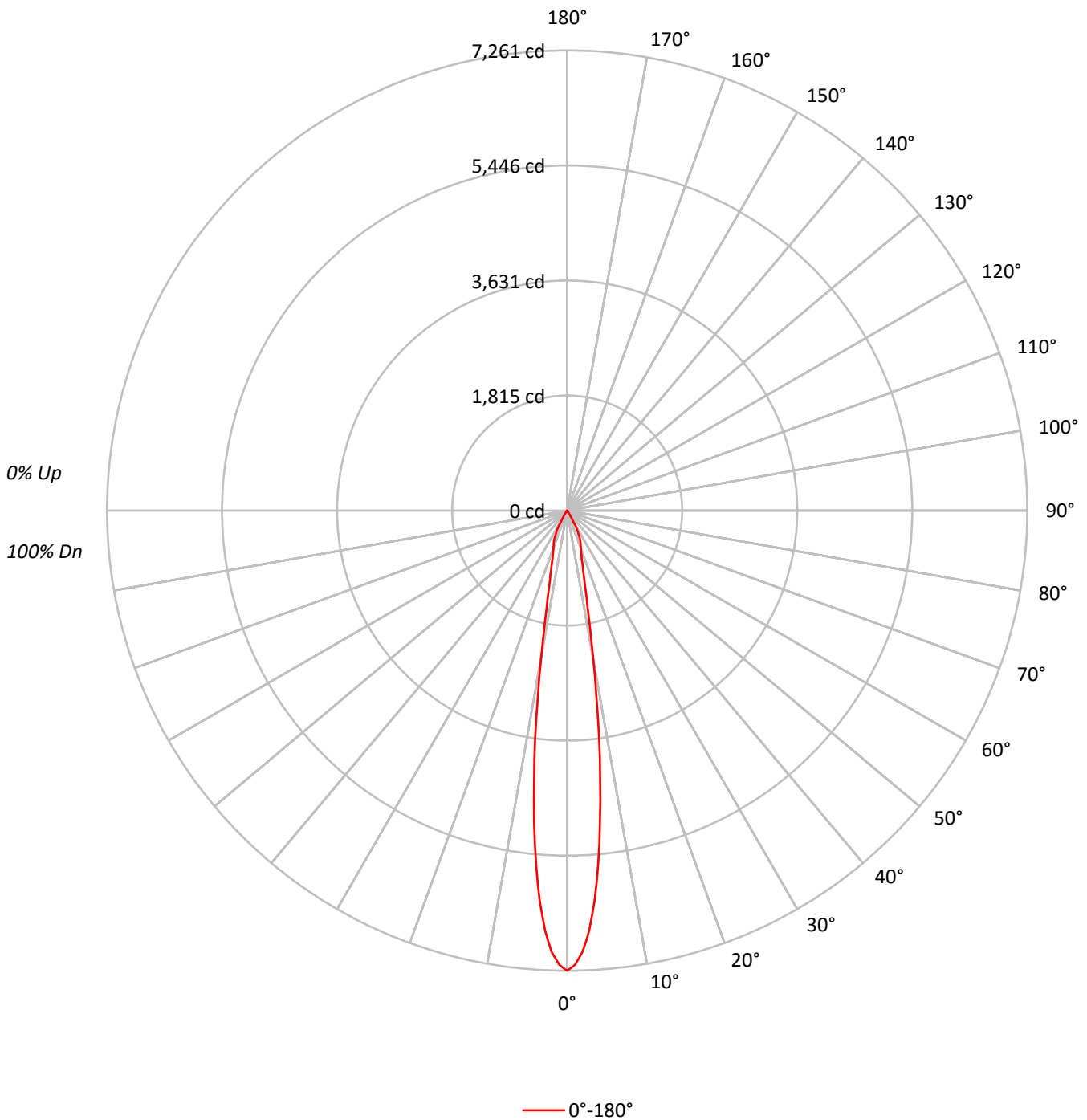
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	110	113	111	109	108	107	106	104	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	81	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	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1592153
5°	1236162
10°	528069
15°	223293
20°	148016
25°	110958
30°	42513
35°	6478
40°	3550
45°	1582
50°	1160
55°	1070
60°	1228
65°	1193
70°	1090
75°	932
80°	758
85°	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.4	44.3
10°-20°	300.7	31.4
20°-30°	193.8	20.2
30°-40°	27.9	2.9
40°-50°	4.4	0.5
50°-60°	2.7	0.3
60°-70°	2.1	0.2
70°-80°	1.0	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°	919.0	96.0
0°-40°	946.9	98.9
0°-60°	954.0	99.6
0°-90°	957.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	957.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7261	
5°	5616	424
15°	984	301
25°	459	194
35°	24	28
45°	5	4
55°	3	3
65°	2	2
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7260.8
1°	7170.1
2°	6969.5
3°	6640.0
4°	6181.4
5°	5615.9
6°	4965.8
7°	4287.0
8°	3615.5
9°	2951.9
10°	2371.6
11°	1897.9
12°	1556.5
13°	1306.9
14°	1121.6
15°	983.6
16°	869.8
17°	787.0
18°	727.8
19°	676.0
20°	634.3
21°	598.3
22°	566.7
23°	537.4
24°	503.6
25°	458.6
26°	405.6
27°	348.7
28°	286.7
29°	225.3
30°	167.9
32.5°	55.8
35°	24.2
37.5°	17.5
40°	12.4
42.5°	6.2
45°	5.1
47.5°	3.9
50°	3.4
52.5°	3.4
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.3
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.7
72.5°	1.1
75°	1.1
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)