

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: P220657

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4097-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220657
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-LED4097-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1347.8 lumens
Efficiency: N/A
Efficacy: 67.1 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

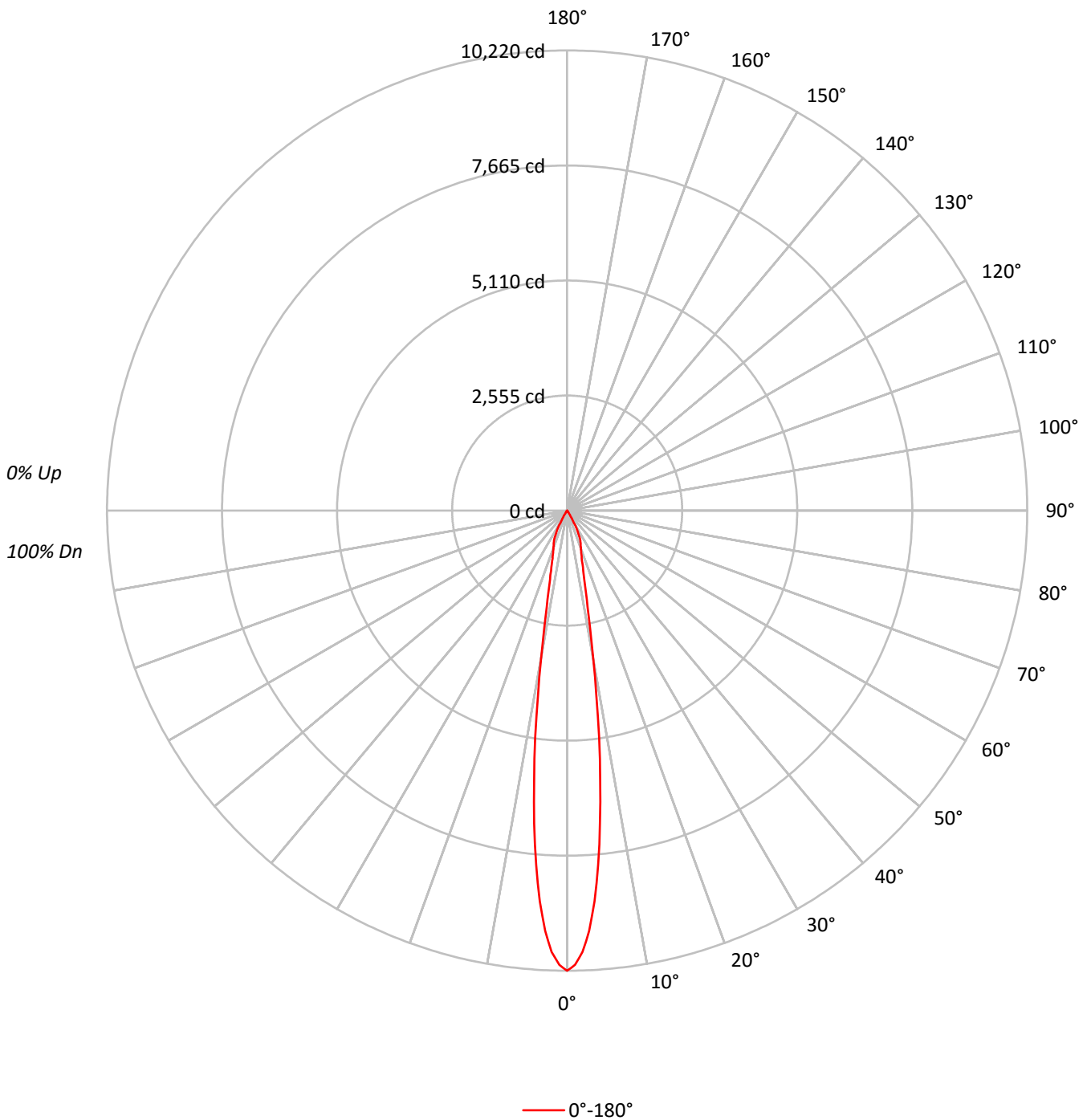
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2240983
5°	1739903
10°	743273
15°	314281
20°	208338
25°	156154
30°	59832
35°	9128
40°	4981
45°	2202
50°	1637
55°	1529
60°	1754
65°	1660
70°	1539
75°	1356
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.4	44.3
10°-20°	423.3	31.4
20°-30°	272.8	20.2
30°-40°	39.3	2.9
40°-50°	6.2	0.5
50°-60°	3.8	0.3
60°-70°	3.0	0.2
70°-80°	1.5	0.1
80°-90°	0.5	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°	1293.5	96.0
0°-40°	1332.8	98.9
0°-60°	1342.8	99.6
0°-90°	1347.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1347.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10220	
5°	7904	597
15°	1384	423
25°	645	273
35°	34	39
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10219.7
1°	10092.0
2°	9809.8
3°	9345.9
4°	8700.5
5°	7904.4
6°	6989.4
7°	6034.0
8°	5088.8
9°	4154.8
10°	3338.1
11°	2671.3
12°	2190.8
13°	1839.5
14°	1578.7
15°	1384.4
16°	1224.2
17°	1107.7
18°	1024.4
19°	951.5
20°	892.8
21°	842.1
22°	797.7
23°	756.4
24°	708.9
25°	645.4
26°	570.9
27°	490.8
28°	403.6
29°	317.2
30°	236.3
32.5°	78.5
35°	34.1
37.5°	24.6
40°	17.4
42.5°	8.7
45°	7.1
47.5°	5.6
50°	4.8
52.5°	4.8
55°	4.0
57.5°	4.0
60°	4.0
62.5°	3.2
65°	3.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)