

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: P220534

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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]-LED4097-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1143.8 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

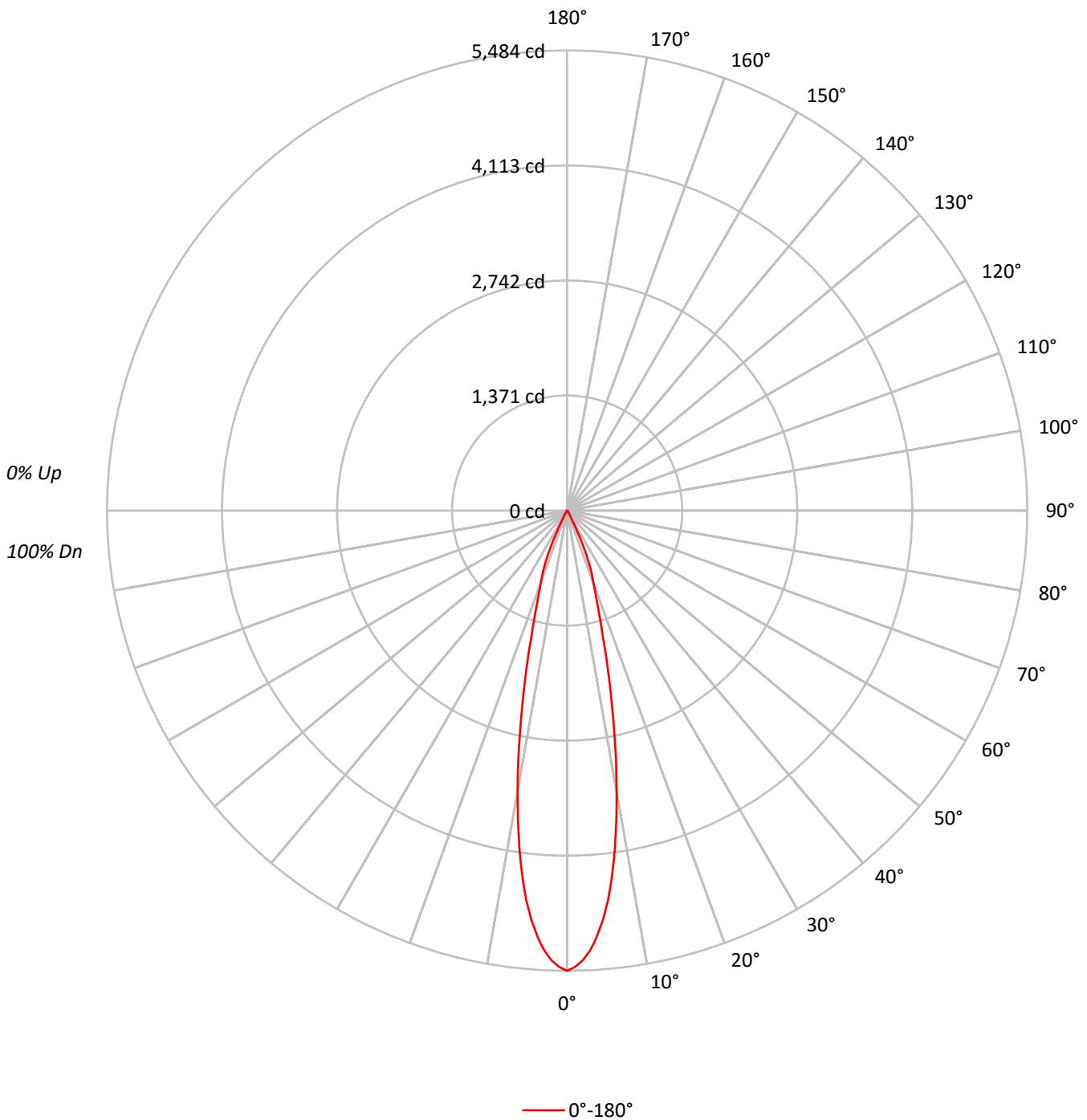
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	95	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1202469
5°	1077567
10°	757056
15°	406268
20°	213705
25°	95546
30°	18459
35°	6799
40°	3864
45°	3194
50°	2695
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.8	36.6
10°-20°	504.7	44.1
20°-30°	184.2	16.1
30°-40°	20.4	1.8
40°-50°	8.0	0.7
50°-60°	5.0	0.4
60°-70°	2.4	0.2
70°-80°	0.3	0.0
80°-90°	0.0	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°	1107.7	96.8
0°-40°	1128.1	98.6
0°-60°	1141.1	99.8
0°-90°	1143.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5484	
5°	4895	419
15°	1790	505
25°	395	184
35°	25	20
45°	10	8
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5483.7
1°	5439.3
2°	5361.6
3°	5247.4
4°	5089.7
5°	4895.4
6°	4663.1
7°	4390.3
8°	4081.1
9°	3745.7
10°	3400.0
11°	3051.9
12°	2707.0
13°	2381.1
14°	2070.3
15°	1789.6
16°	1531.9
17°	1321.8
18°	1151.3
19°	1016.5
20°	915.8
21°	833.3
22°	739.0
23°	627.2
24°	510.6
25°	394.9
26°	284.7
27°	186.3
28°	117.3
29°	85.6
30°	72.9
32.5°	49.2
35°	25.4
37.5°	16.7
40°	13.5
42.5°	11.9
45°	10.3
47.5°	8.7
50°	7.9
52.5°	6.3
55°	5.6
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)