

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: P220483

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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-F-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1488.7 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

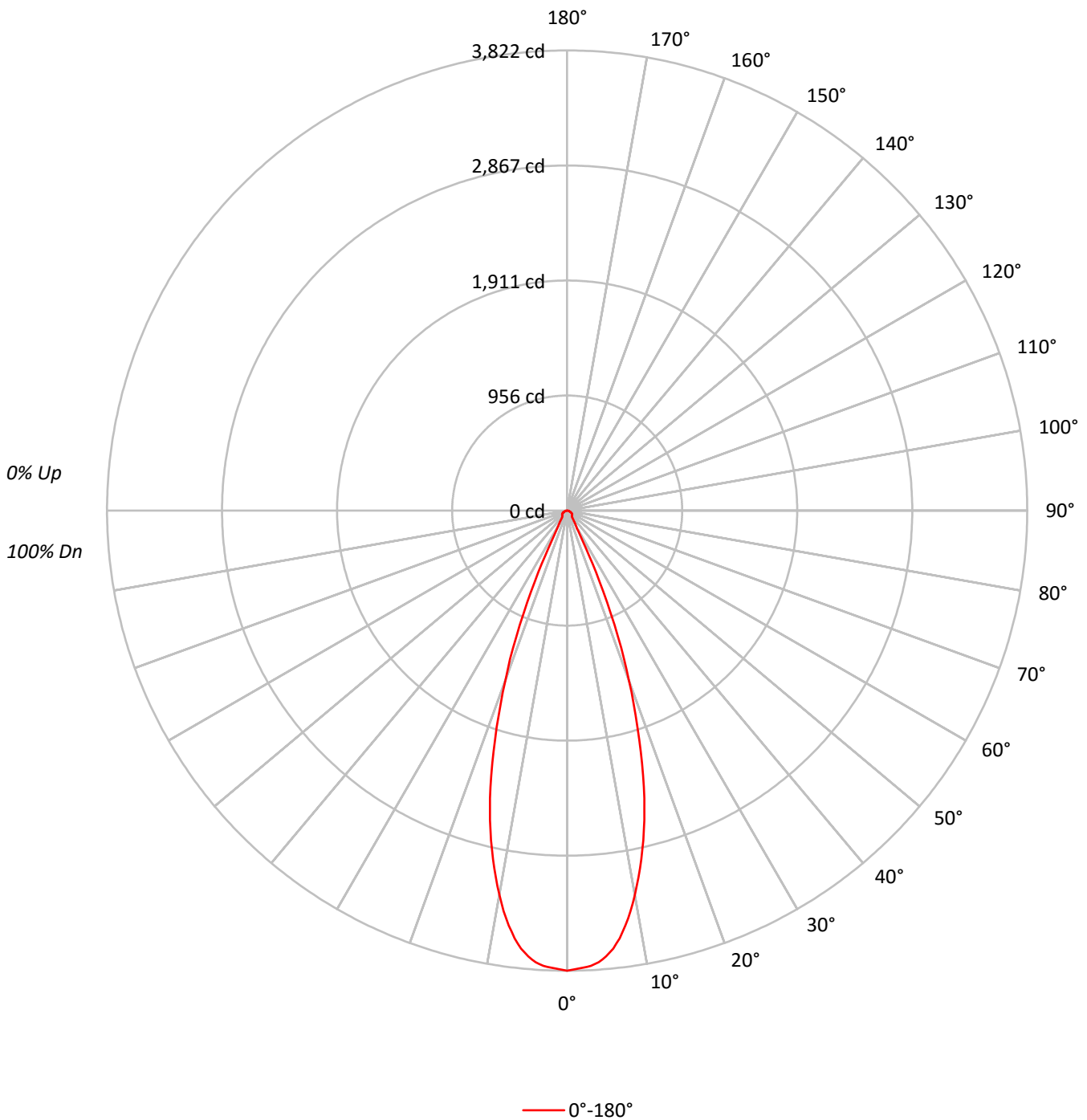
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	838047
5°	818202
10°	721741
15°	561615
20°	350801
25°	136968
30°	37348
35°	21870
40°	17490
45°	17707
50°	18660
55°	19115
60°	18770
65°	17278
70°	14746
75°	13471
80°	15027
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.7	22.8
10°-20°	663.0	44.5
20°-30°	284.4	19.1
30°-40°	56.1	3.8
40°-50°	44.5	3.0
50°-60°	44.3	3.0
60°-70°	32.8	2.2
70°-80°	17.6	1.2
80°-90°	6.2	0.4
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°	1287.2	86.5
0°-40°	1343.3	90.2
0°-60°	1432.1	96.2
0°-90°	1488.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3822	
5°	3717	340
15°	2474	663
25°	566	284
35°	82	56
45°	57	44
55°	50	44
65°	33	33
75°	16	18
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3821.8
1°	3810.7
2°	3798.8
3°	3787.7
4°	3761.5
5°	3717.1
6°	3657.7
7°	3580.0
8°	3480.8
9°	3369.0
10°	3241.4
11°	3105.0
12°	2963.1
13°	2809.3
14°	2647.5
15°	2473.9
16°	2288.3
17°	2093.3
18°	1891.9
19°	1694.4
20°	1503.3
21°	1321.8
22°	1126.7
23°	926.9
24°	736.6
25°	566.1
26°	417.9
27°	295.8
28°	210.9
29°	167.3
30°	147.5
32.5°	111.8
35°	81.7
37.5°	66.6
40°	61.1
42.5°	58.7
45°	57.1
47.5°	56.3
50°	54.7
52.5°	52.3
55°	50.0
57.5°	46.8
60°	42.8
62.5°	38.9
65°	33.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	27.8
70°	23.0
72.5°	19.0
75°	15.9
77.5°	14.3
80°	11.9
82.5°	8.7
85°	5.6
87.5°	2.4
90°	0.0

(END OF REPORT)