

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: P220466

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1371.3 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

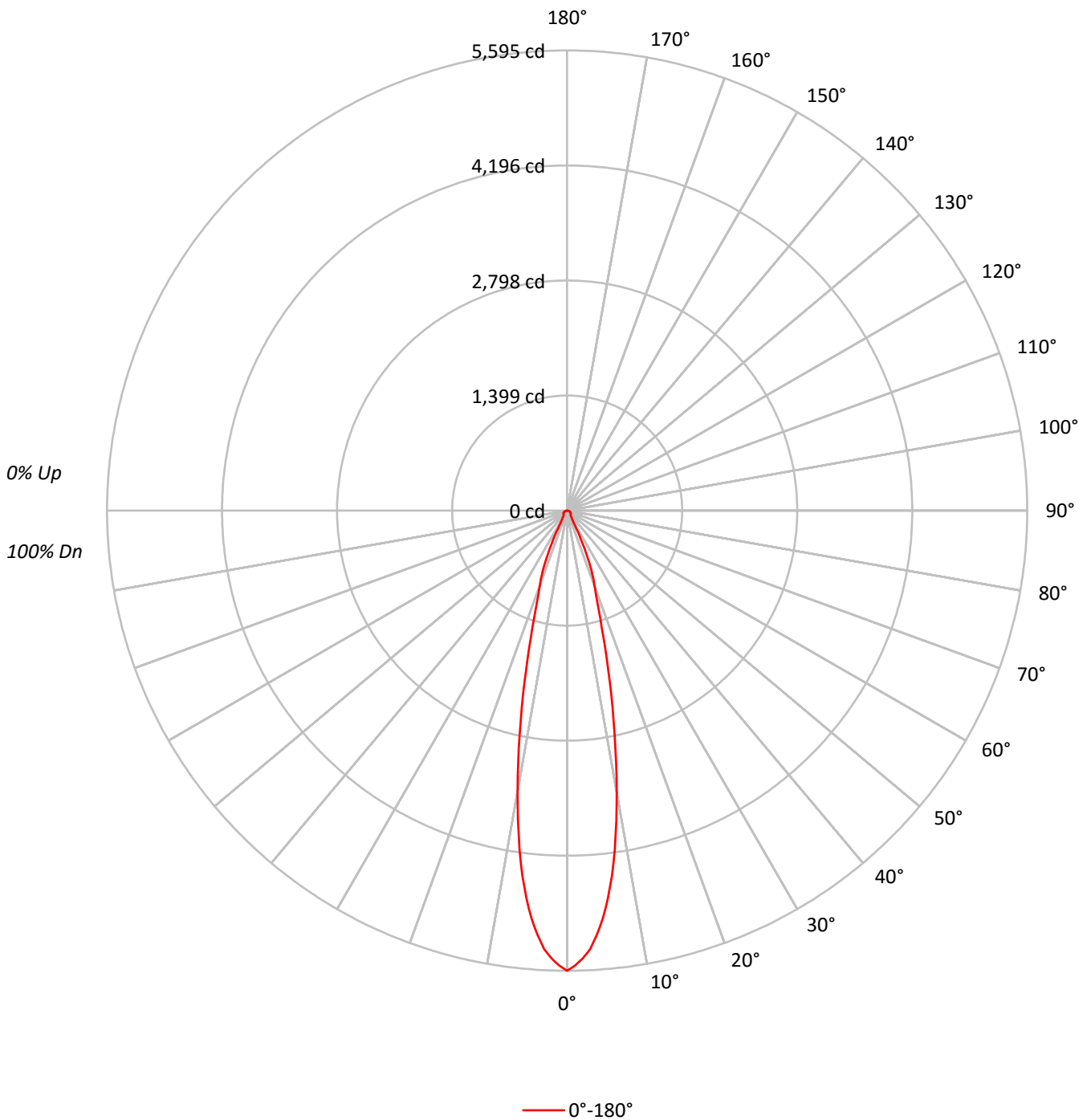
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	100	97	94		97	94	92		94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89		93	90	87		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71		77	74	71		76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69		75	71	69		74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67		73	69	67		72	69	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1226810
5°	1096057
10°	772753
15°	419934
20°	227216
25°	108393
30°	31321
35°	20371
40°	18606
45°	19165
50°	20298
55°	21524
60°	21226
65°	20184
70°	16798
75°	14742
80°	17048
85°	15851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.4	31.1
10°-20°	522.1	38.1
20°-30°	208.8	15.2
30°-40°	52.3	3.8
40°-50°	48.1	3.5
50°-60°	49.5	3.6
60°-70°	37.6	2.7
70°-80°	19.5	1.4
80°-90°	7.0	0.5
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°	1157.2	84.4
0°-40°	1209.5	88.2
0°-60°	1307.1	95.3
0°-90°	1371.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1371.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5595	
5°	4979	426
15°	1850	522
25°	448	209
35°	76	52
45°	62	48
55°	56	50
65°	39	38
75°	17	19
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5594.7
1°	5532.9
2°	5449.6
3°	5341.0
4°	5171.3
5°	4979.4
6°	4739.2
7°	4472.8
8°	4158.8
9°	3816.3
10°	3470.5
11°	3118.5
12°	2772.0
13°	2448.5
14°	2136.1
15°	1849.8
16°	1590.6
17°	1379.7
18°	1207.6
19°	1073.6
20°	973.7
21°	889.6
22°	793.7
23°	683.5
24°	564.5
25°	448.0
26°	335.4
27°	239.5
28°	168.9
29°	136.4
30°	123.7
32.5°	99.1
35°	76.1
37.5°	68.2
40°	65.0
42.5°	63.4
45°	61.8
47.5°	61.1
50°	59.5
52.5°	58.7
55°	56.3
57.5°	52.3
60°	48.4
62.5°	44.4
65°	38.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	31.7
70°	26.2
72.5°	20.6
75°	17.4
77.5°	15.9
80°	13.5
82.5°	9.5
85°	6.3
87.5°	3.2
90°	0.0

(END OF REPORT)