

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: P220568

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1084.9 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

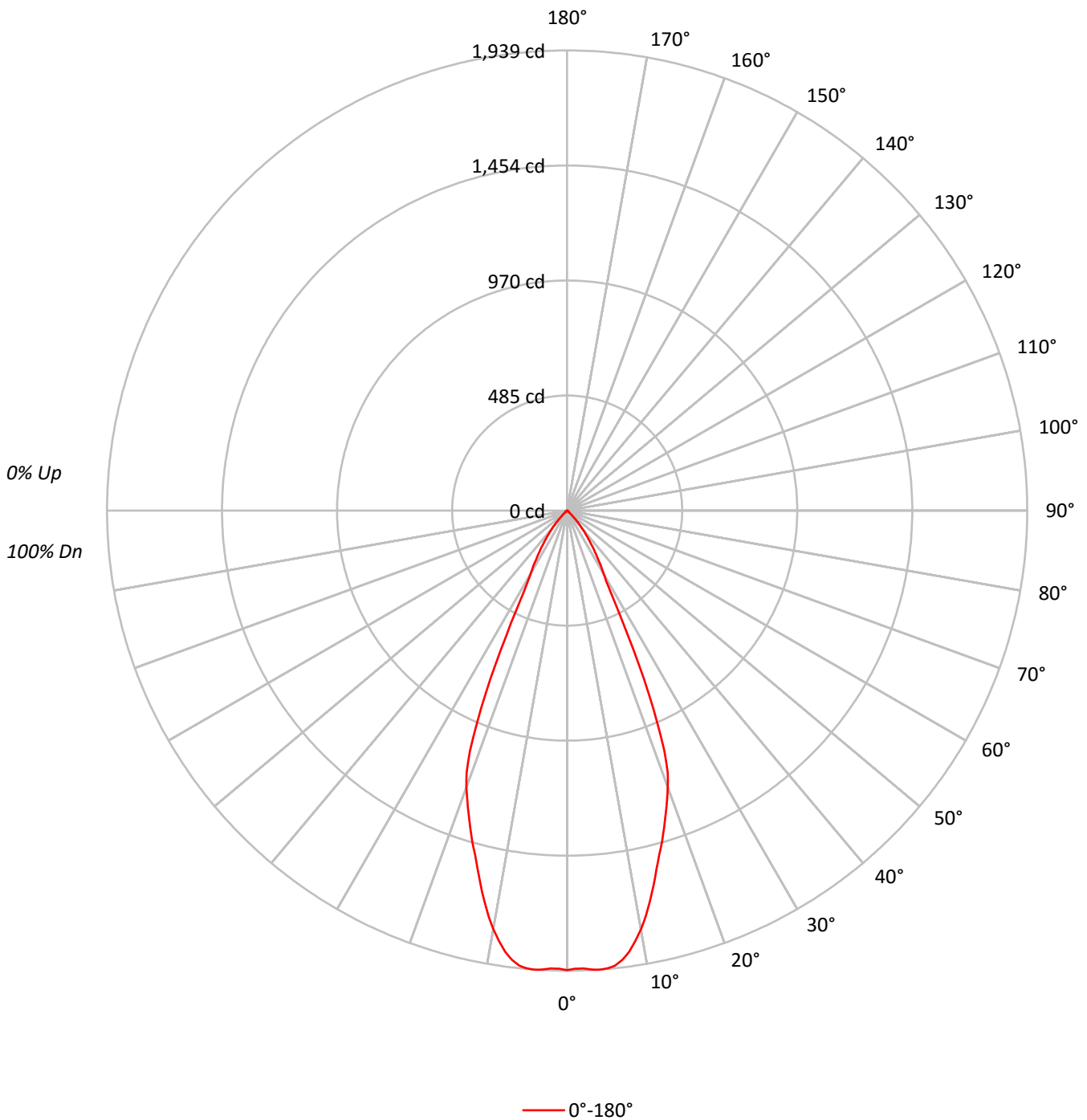
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	105	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75		81	77	74		80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67		74	70	67		73	69	67	66
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70	66	64	63
10	78	70	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	424593
5°	426391
10°	398835
15°	340751
20°	289569
25°	172074
30°	78291
35°	49657
40°	28138
45°	10327
50°	3241
55°	2409
60°	2105
65°	1245
70°	513
75°	678
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	16.6
10°-20°	419.5	38.7
20°-30°	325.7	30.0
30°-40°	118.7	10.9
40°-50°	31.4	2.9
50°-60°	5.8	0.5
60°-70°	2.7	0.2
70°-80°	0.7	0.1
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°	925.6	85.3
0°-40°	1044.3	96.3
0°-60°	1081.5	99.7
0°-90°	1084.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1936	
5°	1937	180
15°	1501	419
25°	711	326
35°	186	119
45°	33	31
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1936.3
1°	1930.7
2°	1930.7
3°	1936.3
4°	1939.4
5°	1937.1
6°	1927.6
7°	1907.7
8°	1876.8
9°	1836.4
10°	1791.2
11°	1738.8
12°	1681.0
13°	1619.9
14°	1557.3
15°	1501.0
16°	1450.2
17°	1396.3
18°	1344.8
19°	1292.4
20°	1240.9
21°	1183.8
22°	1093.4
23°	974.5
24°	845.2
25°	711.2
26°	585.2
27°	472.6
28°	387.7
29°	339.4
30°	309.2
32.5°	243.4
35°	185.5
37.5°	139.6
40°	98.3
42.5°	65.0
45°	33.3
47.5°	15.1
50°	9.5
52.5°	7.1
55°	6.3
57.5°	5.6
60°	4.8
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)