

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: P220499

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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]-LED3597-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1362.4 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

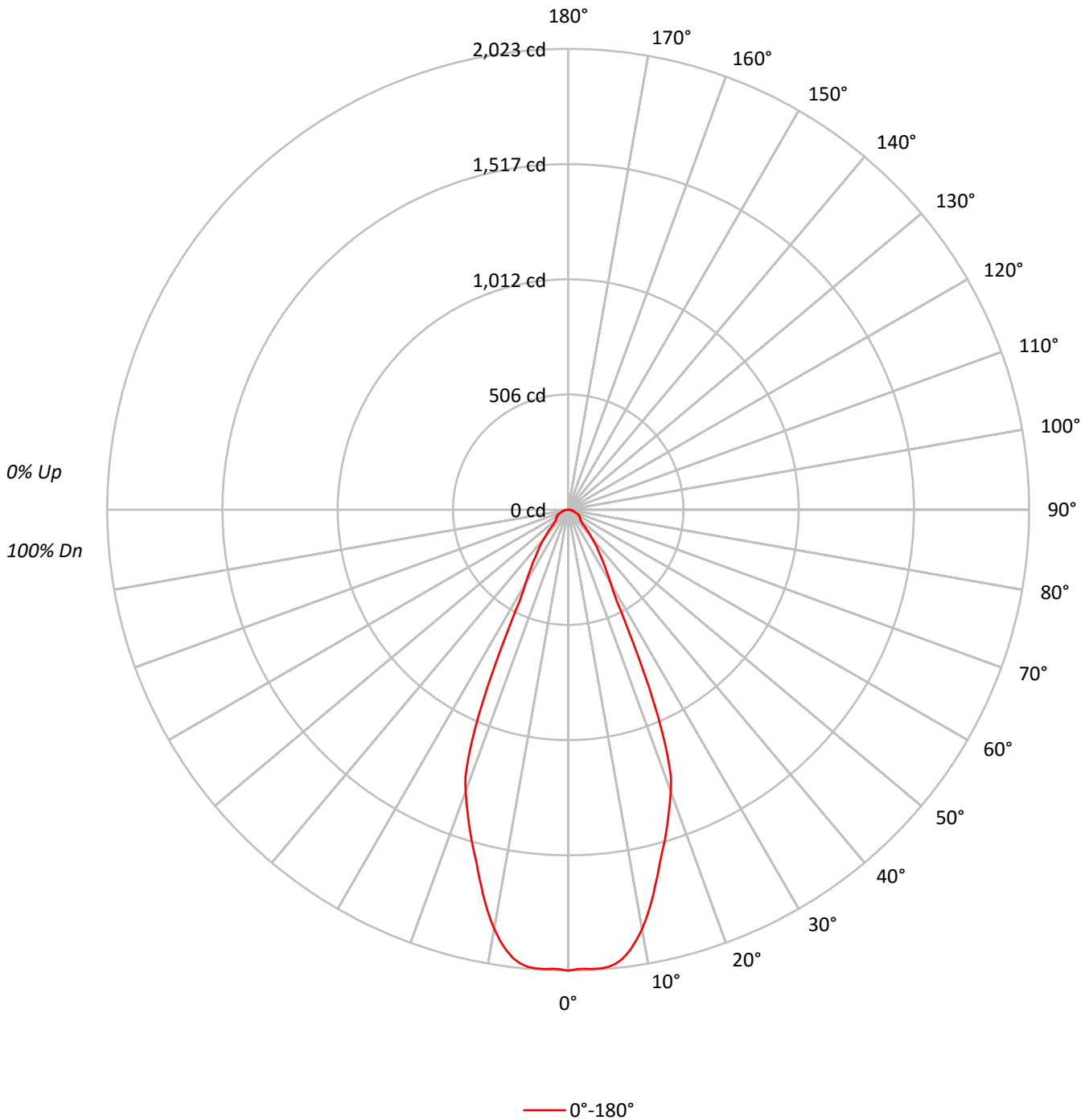
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	443649
5°	443406
10°	416069
15°	357868
20°	307327
25°	189253
30°	94470
35°	66227
40°	46058
45°	29553
50°	24050
55°	24467
60°	24910
65°	24075
70°	21542
75°	20334
80°	22225
85°	22140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	13.8
10°-20°	441.1	32.4
20°-30°	358.1	26.3
30°-40°	158.3	11.6
40°-50°	79.4	5.8
50°-60°	57.1	4.2
60°-70°	45.2	3.3
70°-80°	25.8	1.9
80°-90°	9.6	0.7
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°	987.0	72.5
0°-40°	1145.4	84.1
0°-60°	1281.8	94.1
0°-90°	1362.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1362.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2023	
5°	2014	188
15°	1576	441
25°	782	358
35°	247	158
45°	95	79
55°	64	57
65°	46	45
75°	24	26
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2023.2
1°	2017.6
2°	2016.0
3°	2019.2
4°	2019.2
5°	2014.4
6°	2003.9
7°	1983.1
8°	1952.7
9°	1913.5
10°	1868.6
11°	1816.6
12°	1759.0
13°	1696.5
14°	1634.9
15°	1576.4
16°	1526.0
17°	1473.1
18°	1420.3
19°	1367.5
20°	1317.0
21°	1258.6
22°	1166.5
23°	1048.0
24°	918.3
25°	782.2
26°	654.1
27°	540.4
28°	454.0
29°	404.3
30°	373.1
32.5°	305.8
35°	247.4
37.5°	204.2
40°	160.9
42.5°	127.3
45°	95.3
47.5°	76.9
50°	70.5
52.5°	67.3
55°	64.0
57.5°	60.0
60°	56.8
62.5°	52.0
65°	46.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	39.2
70°	33.6
72.5°	27.2
75°	24.0
77.5°	20.8
80°	17.6
82.5°	13.6
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)