

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: P220457

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220457
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]-LED3597-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 750.8 lumens
Efficiency: N/A
Efficacy: 76.6 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

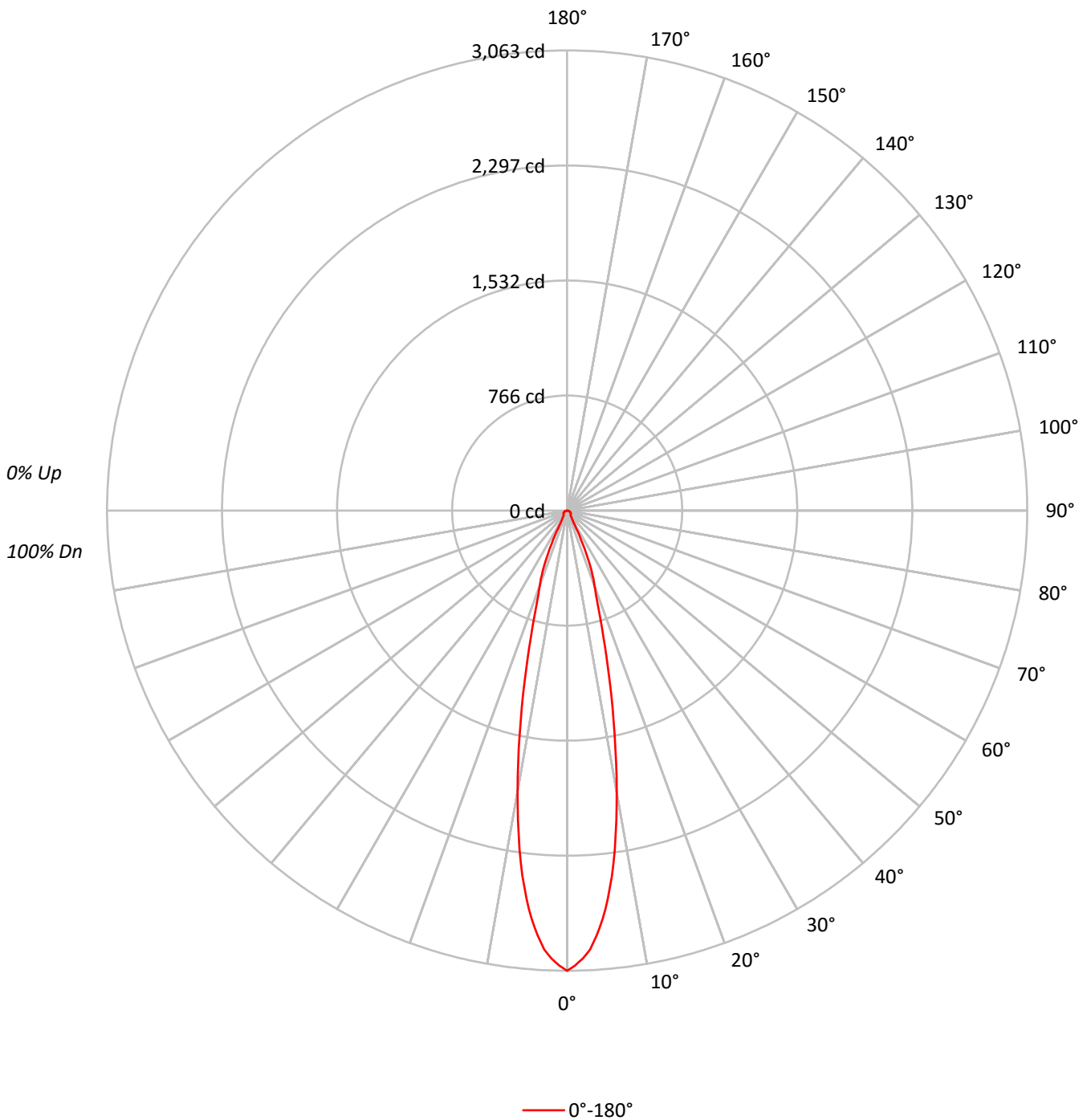
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	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°	671744
5°	600153
10°	423127
15°	229945
20°	124401
25°	59350
30°	17142
35°	11163
40°	10191
45°	10513
50°	11121
55°	11775
60°	11622
65°	11052
70°	9168
75°	8133
80°	9345
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	31.1
10°-20°	285.9	38.1
20°-30°	114.3	15.2
30°-40°	28.6	3.8
40°-50°	26.3	3.5
50°-60°	27.1	3.6
60°-70°	20.6	2.7
70°-80°	10.7	1.4
80°-90°	3.8	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°	633.6	84.4
0°-40°	662.3	88.2
0°-60°	715.7	95.3
0°-90°	750.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3063	
5°	2726	233
15°	1013	286
25°	245	114
35°	42	29
45°	34	26
55°	31	27
65°	21	21
75°	10	11
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3063.4
1°	3029.5
2°	2983.9
3°	2924.5
4°	2831.6
5°	2726.5
6°	2594.9
7°	2449.1
8°	2277.1
9°	2089.6
10°	1900.3
11°	1707.5
12°	1517.8
13°	1340.7
14°	1169.6
15°	1012.9
16°	870.9
17°	755.4
18°	661.2
19°	587.8
20°	533.1
21°	487.1
22°	434.6
23°	374.2
24°	309.1
25°	245.3
26°	183.6
27°	131.1
28°	92.5
29°	74.7
30°	67.7
32.5°	54.3
35°	41.7
37.5°	37.3
40°	35.6
42.5°	34.7
45°	33.9
47.5°	33.4
50°	32.6
52.5°	32.1
55°	30.8
57.5°	28.7
60°	26.5
62.5°	24.3
65°	21.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	17.4
70°	14.3
72.5°	11.3
75°	9.6
77.5°	8.7
80°	7.4
82.5°	5.2
85°	3.5
87.5°	1.7
90°	0.0

(END OF REPORT)