

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: P220438

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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]-LED2797-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.8 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

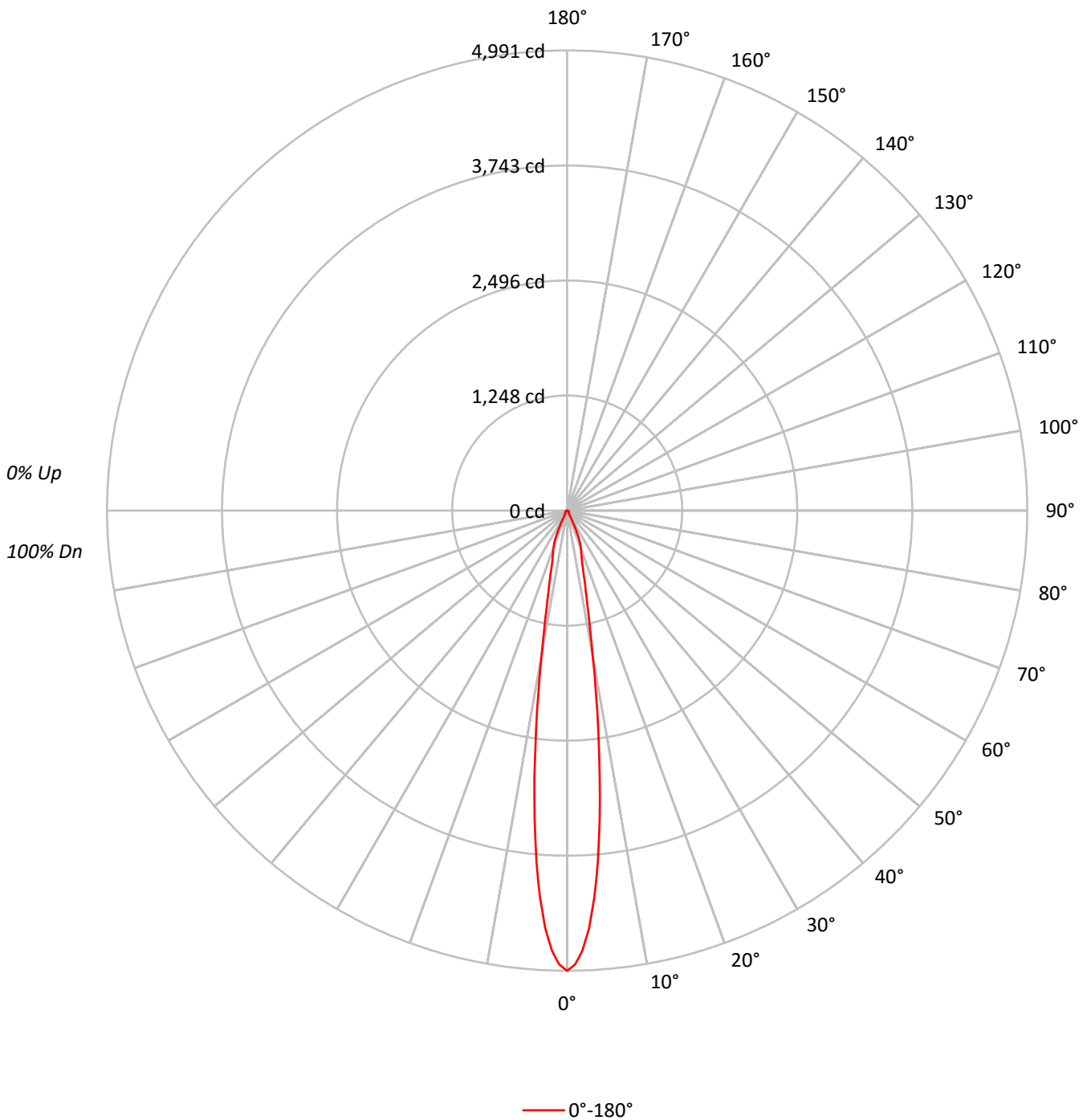
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1094474
5°	840830
10°	356462
15°	152963
20°	101766
25°	48438
30°	11901
35°	8834
40°	8473
45°	8466
50°	8665
55°	9711
60°	9824
65°	9028
70°	7565
75°	6778
80°	7703
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.0	42.2
10°-20°	206.1	30.2
20°-30°	93.2	13.7
30°-40°	22.0	3.2
40°-50°	21.1	3.1
50°-60°	22.3	3.3
60°-70°	17.2	2.5
70°-80°	8.9	1.3
80°-90°	3.2	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°	587.2	86.1
0°-40°	609.2	89.3
0°-60°	652.6	95.7
0°-90°	681.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4991	
5°	3820	288
15°	674	206
25°	200	93
35°	33	22
45°	27	21
55°	25	22
65°	17	17
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4991.2
1°	4926.0
2°	4774.3
3°	4533.9
4°	4210.5
5°	3819.9
6°	3372.5
7°	2903.8
8°	2430.2
9°	1987.7
10°	1600.9
11°	1293.0
12°	1067.8
13°	902.5
14°	773.2
15°	673.8
16°	593.8
17°	540.0
18°	499.8
19°	464.9
20°	436.1
22.5°	346.6
25°	200.2
26°	146.0
27°	99.3
28°	66.0
29°	51.9
30°	47.0
32.5°	39.4
35°	33.0
37.5°	30.7
40°	29.6
42.5°	28.4
45°	27.3
47.5°	26.2
50°	25.4
52.5°	25.4
55°	25.4
57.5°	24.6
60°	22.4
62.5°	20.5
65°	17.4
67.5°	14.4
70°	11.8
72.5°	9.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	8.0
77.5°	7.2
80°	6.1
82.5°	4.6
85°	3.0
87.5°	1.1
90°	0.0

(END OF REPORT)