

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: P220661

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4080-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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]-FL-LED4080-M-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 880.2 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

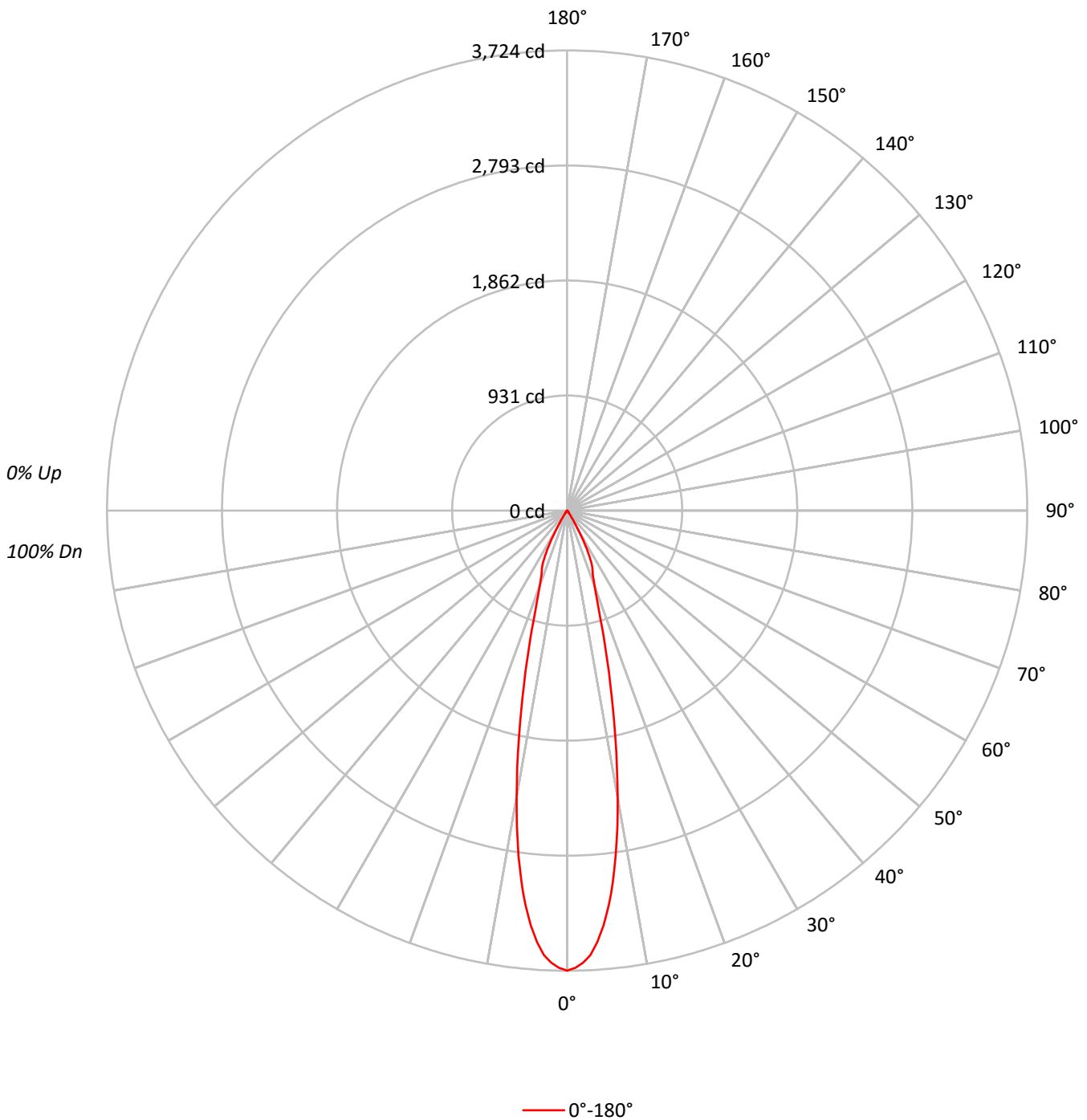
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96				96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93				93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89				89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86				86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83				83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	84	81	80				80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78				78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75				75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73				73
10	86	79	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71				71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	816557
5°	741975
10°	524395
15°	283384
20°	150700
25°	110861
30°	44766
35°	8566
40°	4494
45°	2016
50°	1672
55°	1453
60°	1184
65°	1141
70°	1026
75°	932
80°	631
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	32.8
10°-20°	352.3	40.0
20°-30°	193.9	22.0
30°-40°	32.2	3.7
40°-50°	5.9	0.7
50°-60°	3.4	0.4
60°-70°	2.1	0.2
70°-80°	1.1	0.1
80°-90°	0.3	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°	835.1	94.9
0°-40°	867.3	98.5
0°-60°	876.5	99.6
0°-90°	880.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3724	
5°	3371	289
15°	1248	352
25°	458	194
35°	32	32
45°	6	6
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3723.8
1°	3701.0
2°	3662.5
3°	3601.8
4°	3498.8
5°	3370.8
6°	3216.2
7°	3032.4
8°	2823.1
9°	2593.7
10°	2355.1
11°	2114.3
12°	1877.9
13°	1651.8
14°	1443.0
15°	1248.3
16°	1080.2
17°	928.9
18°	810.7
19°	716.3
20°	645.8
21°	592.2
22°	553.1
23°	525.5
24°	497.8
25°	458.2
26°	408.9
27°	353.6
28°	293.4
29°	234.3
30°	176.8
32.5°	64.0
35°	32.0
37.5°	22.8
40°	15.7
42.5°	8.1
45°	6.5
47.5°	6.0
50°	4.9
52.5°	4.3
55°	3.8
57.5°	3.3
60°	2.7
62.5°	2.7
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	1.6
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)