

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: P220591

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED5080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220591
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-LED5080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 914.4 lumens
Efficiency: N/A
Efficacy: 93.3 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

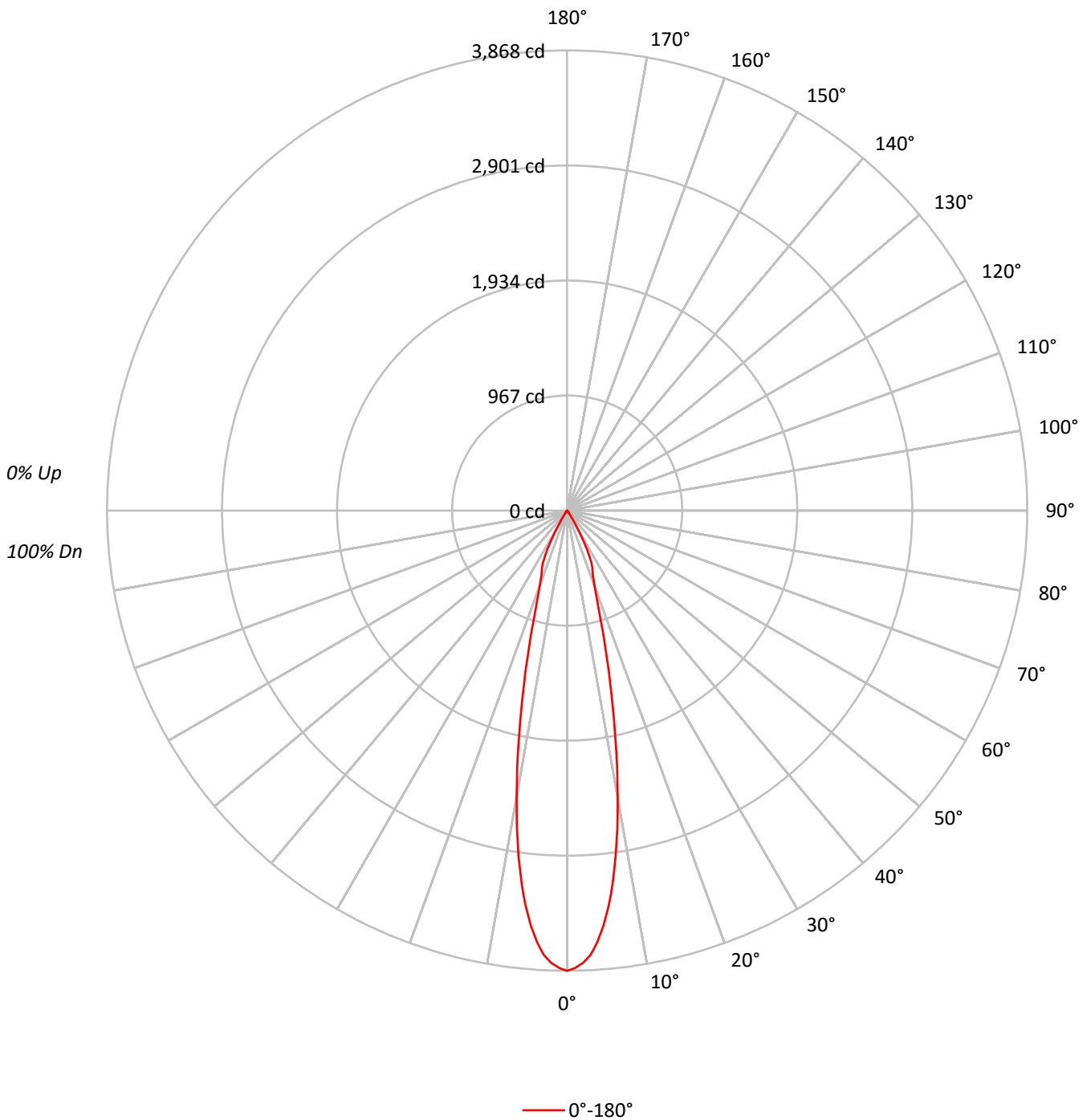
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	848265
5°	770788
10°	544768
15°	294394
20°	156557
25°	115168
30°	46488
35°	8887
40°	4666
45°	2109
50°	1740
55°	1491
60°	1228
65°	1193
70°	1090
75°	932
80°	758
85°	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.0	32.8
10°-20°	366.0	40.0
20°-30°	201.5	22.0
30°-40°	33.4	3.7
40°-50°	6.1	0.7
50°-60°	3.5	0.4
60°-70°	2.2	0.2
70°-80°	1.2	0.1
80°-90°	0.4	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°	867.5	94.9
0°-40°	900.9	98.5
0°-60°	910.6	99.6
0°-90°	914.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3868	
5°	3502	300
15°	1297	366
25°	476	201
35°	33	33
45°	7	6
55°	4	4
65°	2	2
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3868.4
1°	3844.7
2°	3804.7
3°	3741.7
4°	3634.6
5°	3501.7
6°	3341.1
7°	3150.2
8°	2932.7
9°	2694.4
10°	2446.6
11°	2196.4
12°	1950.8
13°	1715.9
14°	1499.0
15°	1296.8
16°	1122.2
17°	965.0
18°	842.2
19°	744.2
20°	670.9
21°	615.2
22°	574.6
23°	545.9
24°	517.1
25°	476.0
26°	424.8
27°	367.3
28°	304.8
29°	243.4
30°	183.6
32.5°	66.5
35°	33.2
37.5°	23.7
40°	16.3
42.5°	8.4
45°	6.8
47.5°	6.2
50°	5.1
52.5°	4.5
55°	3.9
57.5°	3.4
60°	2.8
62.5°	2.8
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	1.7
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)