

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: P220627

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 918.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

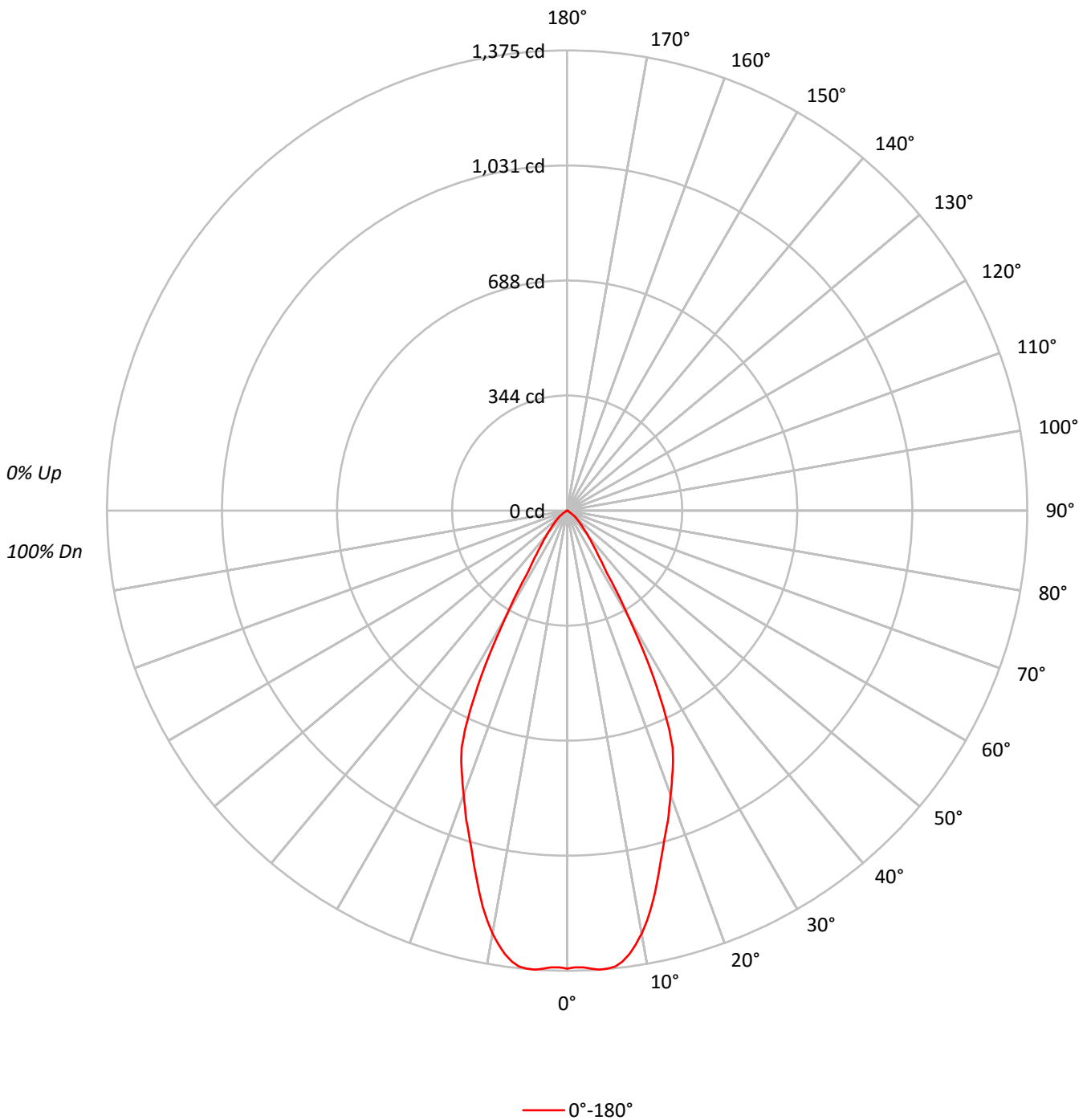
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	300173
5°	302443
10°	285744
15°	245790
20°	210975
25°	174591
30°	93154
35°	42376
40°	27079
45°	17831
50°	12486
55°	6232
60°	1491
65°	1453
70°	1475
75°	932
80°	758
85°	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	14.0
10°-20°	302.8	33.0
20°-30°	309.4	33.7
30°-40°	112.1	12.2
40°-50°	46.1	5.0
50°-60°	14.9	1.6
60°-70°	2.7	0.3
70°-80°	1.3	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°	740.6	80.7
0°-40°	852.7	92.9
0°-60°	913.7	99.5
0°-90°	918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1369	
5°	1374	128
15°	1083	303
25°	722	309
35°	158	112
45°	58	46
55°	16	15
65°	3	3
75°	1	1
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1368.9
1°	1365.0
2°	1365.5
3°	1370.6
4°	1375.1
5°	1374.0
6°	1370.0
7°	1357.6
8°	1337.9
9°	1312.0
10°	1283.3
11°	1248.9
12°	1211.2
13°	1168.9
14°	1125.0
15°	1082.7
16°	1042.2
17°	1006.7
18°	974.0
19°	937.9
20°	904.1
21°	872.0
22°	840.5
23°	810.1
24°	774.0
25°	721.6
26°	657.4
27°	587.6
28°	513.8
29°	439.4
30°	367.9
32.5°	220.8
35°	158.3
37.5°	122.2
40°	94.6
42.5°	72.1
45°	57.5
47.5°	46.2
50°	36.6
52.5°	27.0
55°	16.3
57.5°	4.5
60°	3.4
62.5°	2.8
65°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	2.3
72.5°	1.7
75°	1.1
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)