

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: P220487

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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]-LED4080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 922.8 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

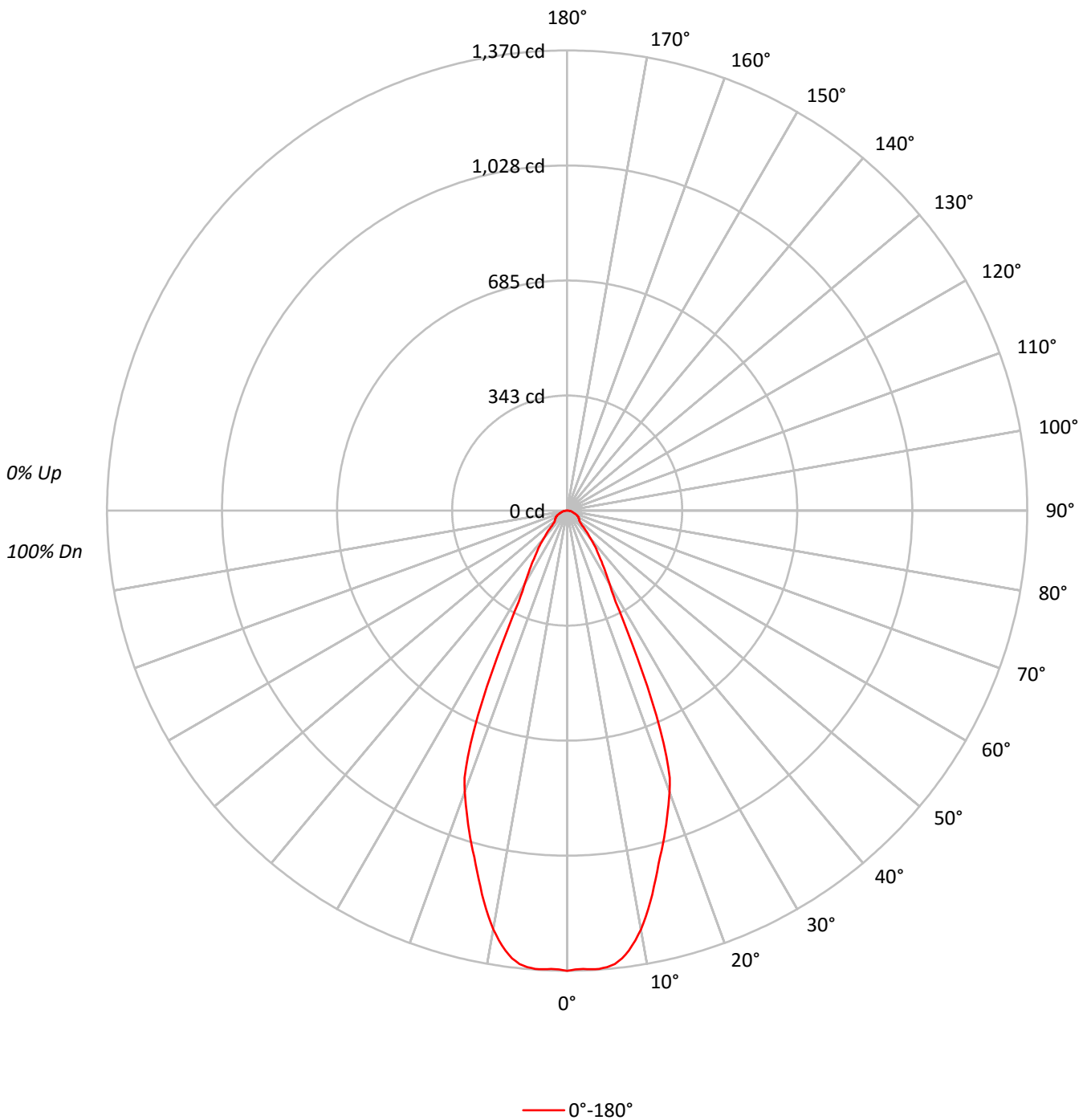
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	300480
5°	300329
10°	281825
15°	242385
20°	208151
25°	128185
30°	63985
35°	44865
40°	31201
45°	20002
50°	16272
55°	16592
60°	16885
65°	16344
70°	14618
75°	13810
80°	15027
85°	15096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	13.8
10°-20°	298.8	32.4
20°-30°	242.5	26.3
30°-40°	107.2	11.6
40°-50°	53.8	5.8
50°-60°	38.7	4.2
60°-70°	30.7	3.3
70°-80°	17.5	1.9
80°-90°	6.5	0.7
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°	668.5	72.4
0°-40°	775.8	84.1
0°-60°	868.2	94.1
0°-90°	922.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	922.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1370	
5°	1364	127
15°	1068	299
25°	530	243
35°	168	107
45°	64	54
55°	43	39
65°	32	31
75°	16	17
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1370.3
1°	1366.5
2°	1365.5
3°	1367.6
4°	1367.6
5°	1364.4
6°	1357.3
7°	1343.2
8°	1322.6
9°	1296.0
10°	1265.7
11°	1230.4
12°	1191.4
13°	1149.1
14°	1107.3
15°	1067.7
16°	1033.6
17°	997.8
18°	962.0
19°	926.2
20°	892.0
21°	852.5
22°	790.1
23°	709.8
24°	622.0
25°	529.8
26°	443.0
27°	366.0
28°	307.5
29°	273.8
30°	252.7
32.5°	207.1
35°	167.6
37.5°	138.3
40°	109.0
42.5°	86.2
45°	64.5
47.5°	52.1
50°	47.7
52.5°	45.6
55°	43.4
57.5°	40.7
60°	38.5
62.5°	35.2
65°	31.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	26.6
70°	22.8
72.5°	18.4
75°	16.3
77.5°	14.1
80°	11.9
82.5°	9.2
85°	6.0
87.5°	2.7
90°	0.0

(END OF REPORT)