

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: P220470

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1018.1 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

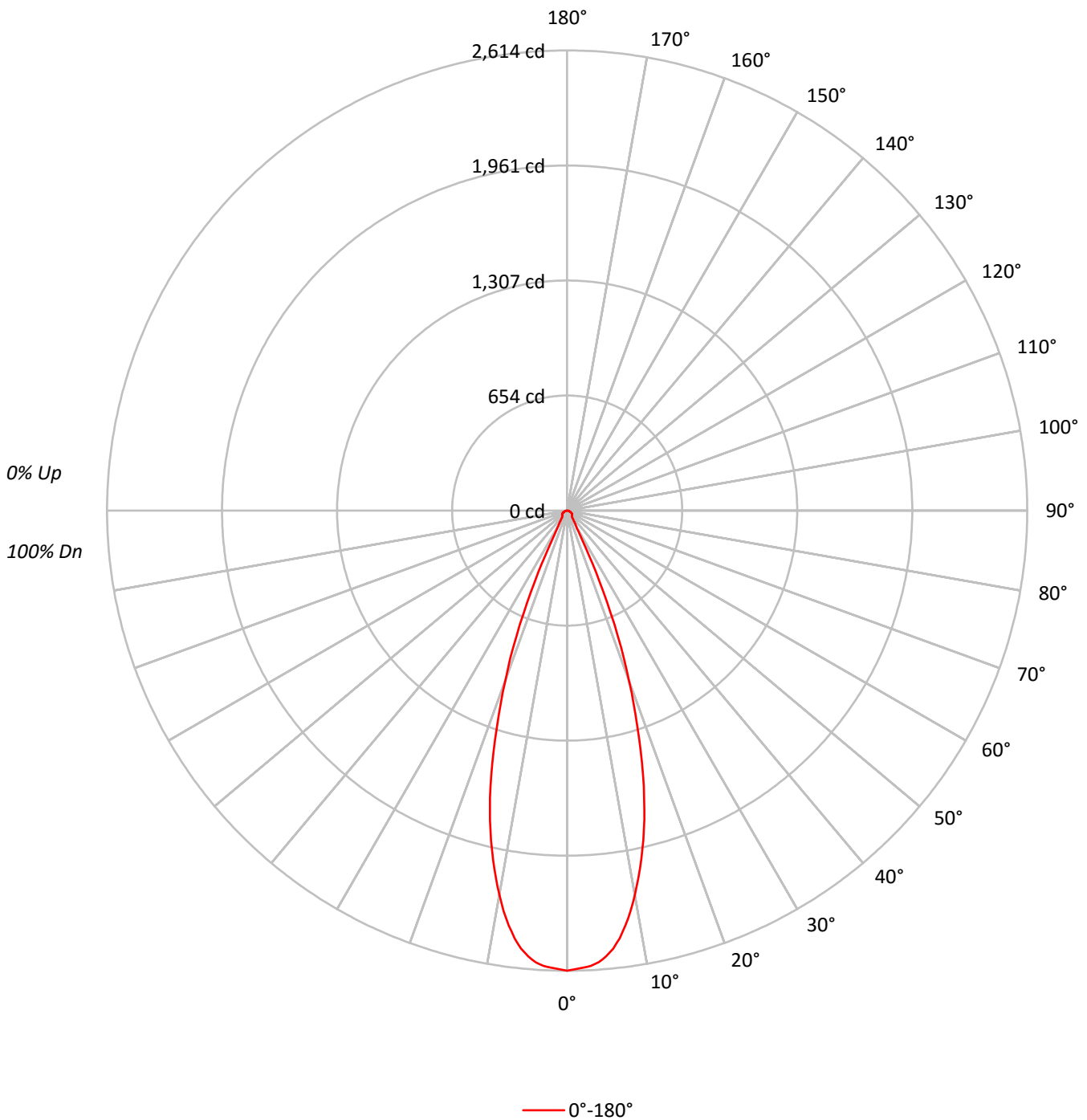
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	82	77	73	88	81	76	73	80	76	72	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	573156
5°	559585
10°	493600
15°	384088
20°	239934
25°	93683
30°	25548
35°	14964
40°	11965
45°	12094
50°	12759
55°	13075
60°	12850
65°	11830
70°	10066
75°	9150
80°	10229
85°	9561



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	22.8
10°-20°	453.5	44.5
20°-30°	194.5	19.1
30°-40°	38.4	3.8
40°-50°	30.4	3.0
50°-60°	30.3	3.0
60°-70°	22.5	2.2
70°-80°	12.0	1.2
80°-90°	4.2	0.4
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°	880.3	86.5
0°-40°	918.8	90.2
0°-60°	979.4	96.2
0°-90°	1018.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2614	
5°	2542	232
15°	1692	453
25°	387	195
35°	56	38
45°	39	30
55°	34	30
65°	23	22
75°	11	12
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2613.8
1°	2606.2
2°	2598.0
3°	2590.4
4°	2572.5
5°	2542.2
6°	2501.5
7°	2448.4
8°	2380.6
9°	2304.1
10°	2216.8
11°	2123.5
12°	2026.5
13°	1921.3
14°	1810.7
15°	1691.9
16°	1565.0
17°	1431.6
18°	1293.9
19°	1158.8
20°	1028.2
21°	904.0
22°	770.6
23°	633.9
24°	503.8
25°	387.2
26°	285.8
27°	202.3
28°	144.2
29°	114.4
30°	100.9
32.5°	76.5
35°	55.9
37.5°	45.6
40°	41.8
42.5°	40.1
45°	39.0
47.5°	38.5
50°	37.4
52.5°	35.8
55°	34.2
57.5°	32.0
60°	29.3
62.5°	26.6
65°	22.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	19.0
70°	15.7
72.5°	13.0
75°	10.8
77.5°	9.8
80°	8.1
82.5°	6.0
85°	3.8
87.5°	1.6
90°	0.0

(END OF REPORT)