

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: P220454

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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]-LED5080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 974.3 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

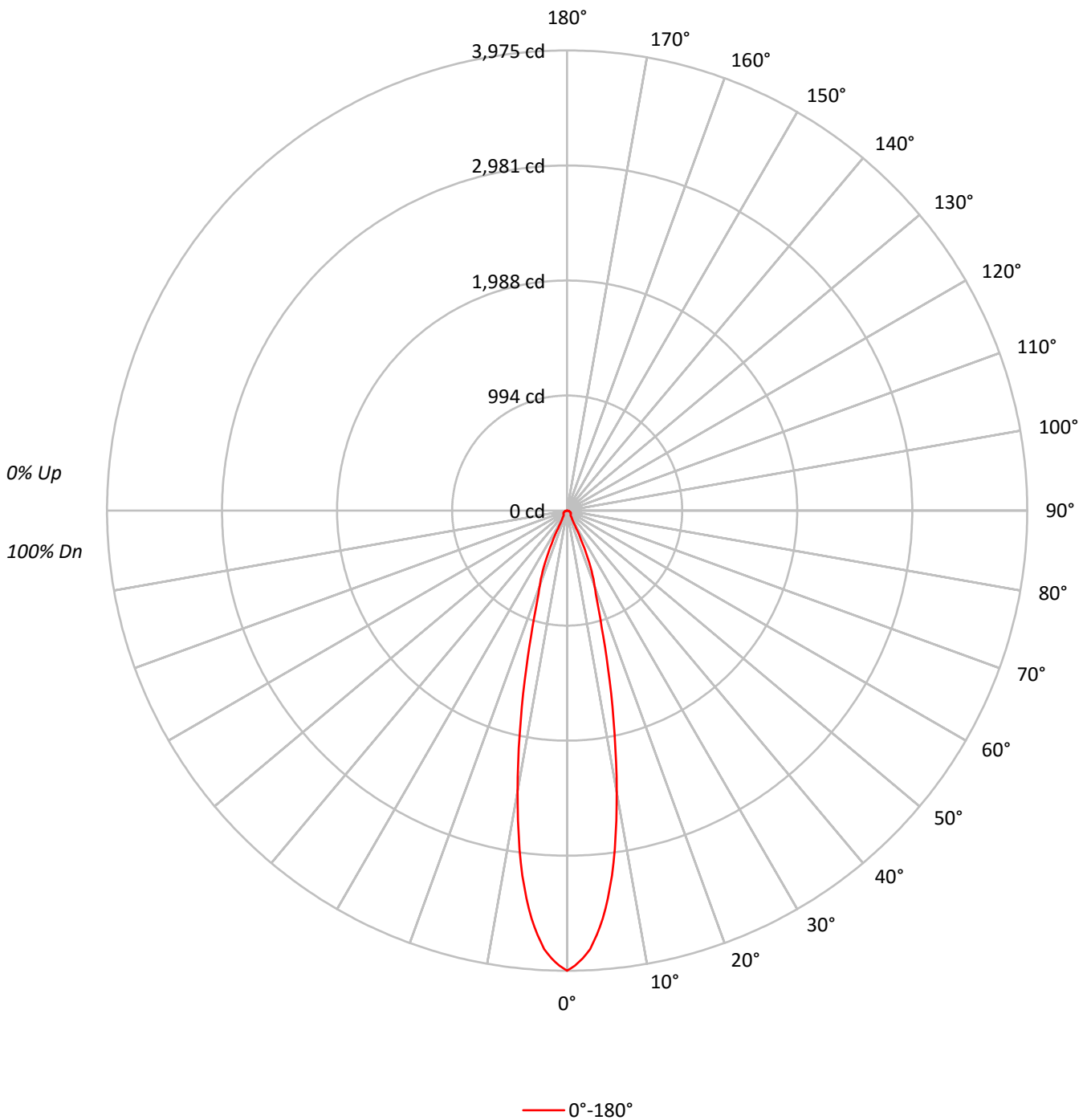
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	97	100	97	94	97	94	92	94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	871619
5°	778712
10°	549021
15°	298367
20°	161434
25°	77013
30°	22257
35°	14482
40°	13225
45°	13614
50°	14430
55°	15292
60°	15087
65°	14321
70°	11925
75°	10506
80°	12123
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	31.1
10°-20°	370.9	38.1
20°-30°	148.4	15.2
30°-40°	37.2	3.8
40°-50°	34.2	3.5
50°-60°	35.2	3.6
60°-70°	26.7	2.7
70°-80°	13.8	1.4
80°-90°	5.0	0.5
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°	822.2	84.4
0°-40°	859.3	88.2
0°-60°	928.7	95.3
0°-90°	974.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3975	
5°	3538	303
15°	1314	371
25°	318	148
35°	54	37
45°	44	34
55°	40	35
65°	28	27
75°	12	14
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3974.9
1°	3930.9
2°	3871.8
3°	3794.6
4°	3674.1
5°	3537.7
6°	3367.0
7°	3177.8
8°	2954.7
9°	2711.3
10°	2465.7
11°	2215.6
12°	1969.4
13°	1739.6
14°	1517.6
15°	1314.3
16°	1130.0
17°	980.2
18°	858.0
19°	762.8
20°	691.8
21°	632.1
22°	563.9
23°	485.6
24°	401.1
25°	318.3
26°	238.3
27°	170.1
28°	120.0
29°	96.9
30°	87.9
32.5°	70.4
35°	54.1
37.5°	48.4
40°	46.2
42.5°	45.1
45°	43.9
47.5°	43.4
50°	42.3
52.5°	41.7
55°	40.0
57.5°	37.2
60°	34.4
62.5°	31.5
65°	27.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	22.5
70°	18.6
72.5°	14.6
75°	12.4
77.5°	11.3
80°	9.6
82.5°	6.8
85°	4.5
87.5°	2.3
90°	0.0

(END OF REPORT)