

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: P220679

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
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-F-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1006.7 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

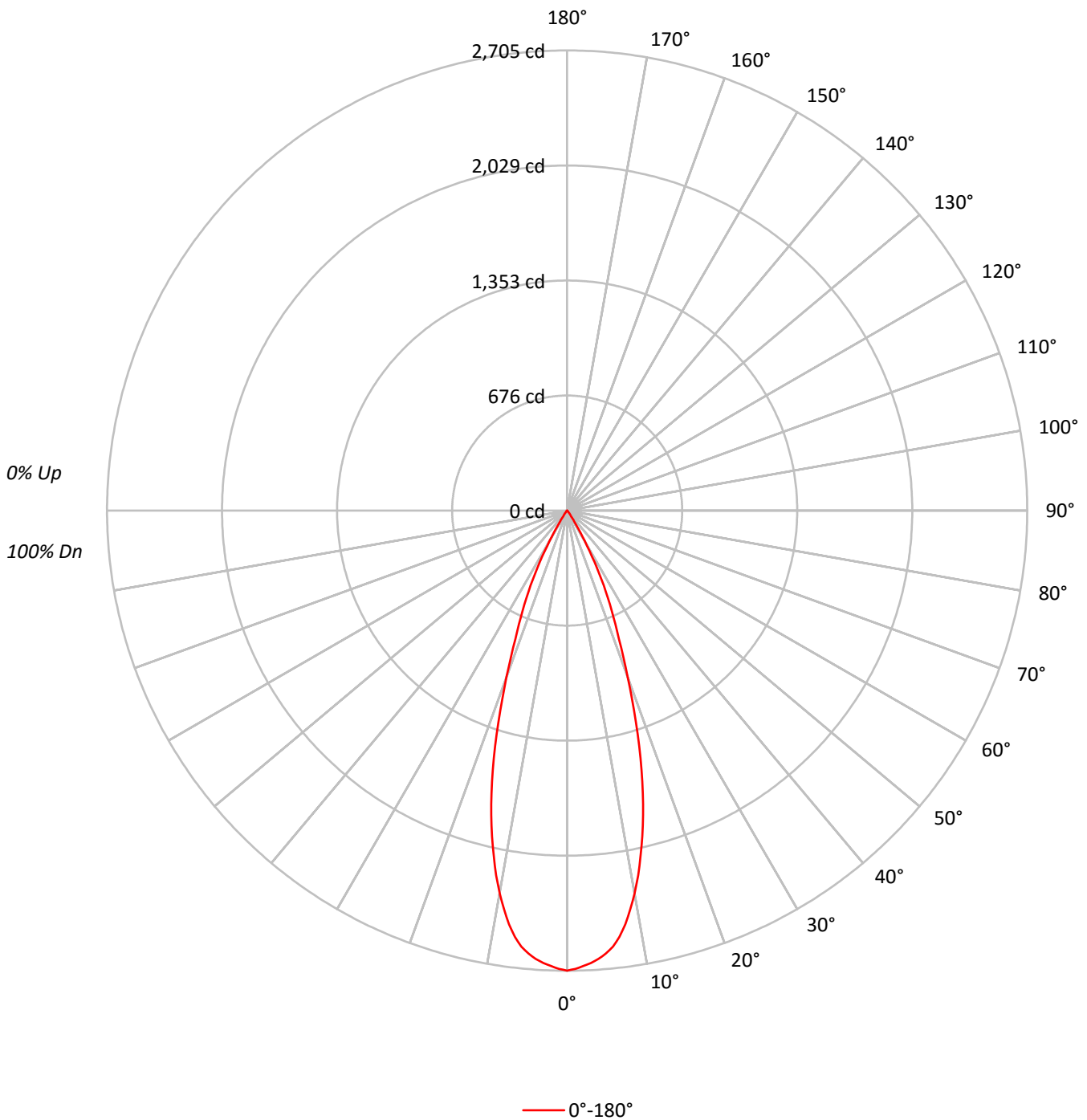
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	104		103	101	100		99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97		99	97	95		96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92		95	93	91		93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88		92	89	87		90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84		89	86	83		87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80		86	82	80		84	82	79	78
7	93	85	81	78	91	85	81	77	84	80	77		83	79	77		82	79	76	75
8	90	82	78	75	89	82	77	74	81	77	74		80	76	74		79	76	74	72
9	87	79	75	72	86	79	75	72	78	74	71		77	74	71		77	73	71	70
10	84	77	72	69	83	76	72	69	75	72	69		75	71	69		74	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593067
5°	575477
10°	508764
15°	390695
20°	243201
25°	137113
30°	52059
35°	11163
40°	4351
45°	1395
50°	1160
55°	879
60°	746
65°	882
70°	705
75°	932
80°	758
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	23.8
10°-20°	461.8	45.9
20°-30°	257.5	25.6
30°-40°	38.9	3.9
40°-50°	4.3	0.4
50°-60°	2.2	0.2
60°-70°	1.5	0.1
70°-80°	1.0	0.1
80°-90°	0.2	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°	958.6	95.2
0°-40°	997.5	99.1
0°-60°	1004.1	99.7
0°-90°	1006.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2705	
5°	2614	239
15°	1721	462
25°	567	258
35°	42	39
45°	4	4
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2704.6
1°	2695.0
2°	2679.2
3°	2662.9
4°	2642.0
5°	2614.4
6°	2577.3
7°	2523.7
8°	2455.0
9°	2373.9
10°	2284.9
11°	2185.2
12°	2077.0
13°	1964.9
14°	1844.9
15°	1721.0
16°	1586.9
17°	1448.3
18°	1307.5
19°	1172.9
20°	1042.2
21°	921.1
22°	814.0
23°	723.9
24°	645.6
25°	566.7
26°	489.5
27°	414.6
28°	341.9
29°	272.1
30°	205.6
32.5°	82.2
35°	41.7
37.5°	25.9
40°	15.2
42.5°	5.6
45°	4.5
47.5°	3.4
50°	3.4
52.5°	2.8
55°	2.3
57.5°	2.3
60°	1.7
62.5°	1.7
65°	1.7



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)