

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: P220547

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED5080-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)
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-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED 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: 1692.2 lumens
Efficiency: N/A
Efficacy: 84.2 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

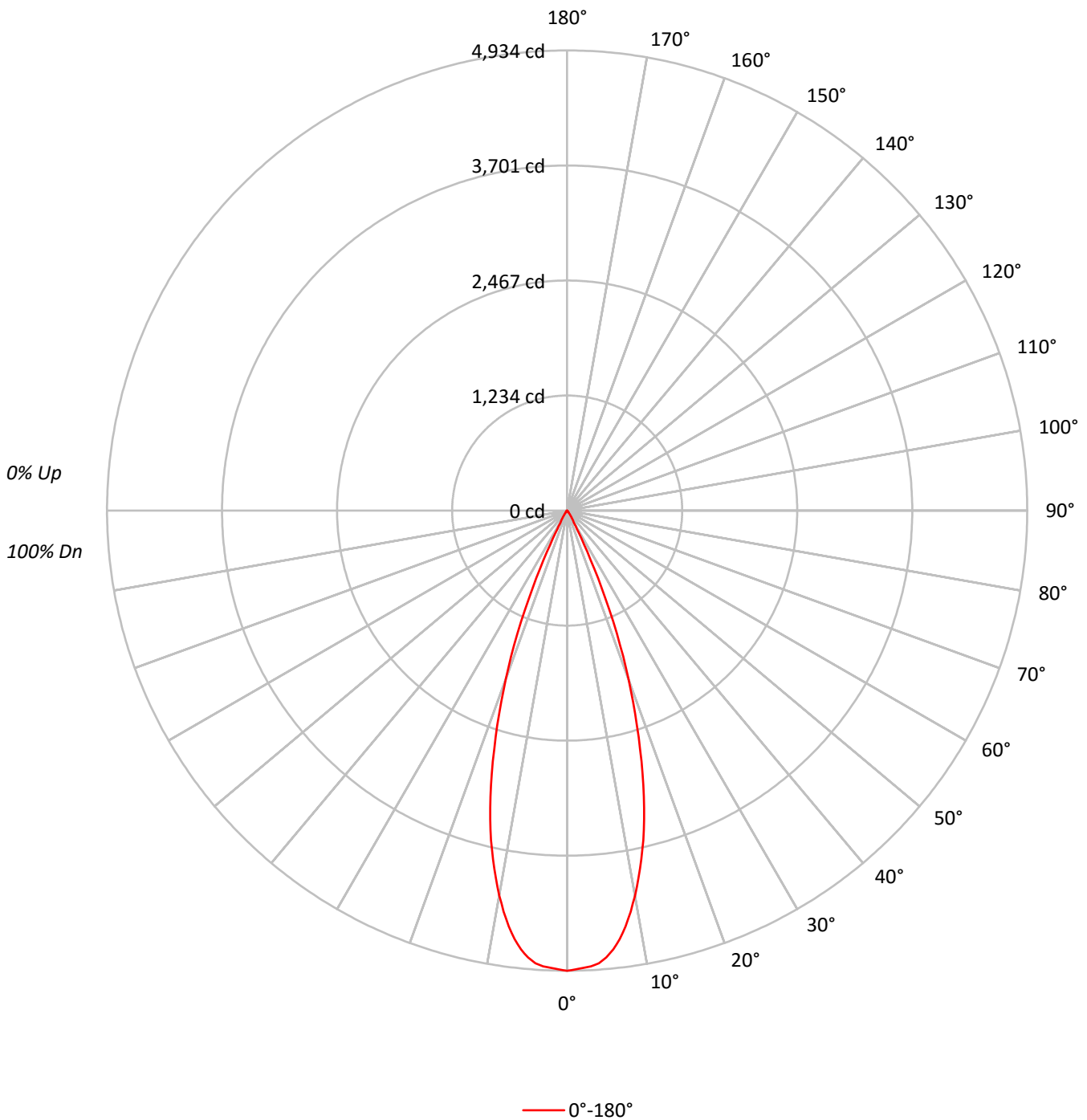
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	109	112	110	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1082040
5°	1058725
10°	933116
15°	720935
20°	447736
25°	165881
30°	34714
35°	13063
40°	4752
45°	3225
50°	2831
55°	2370
60°	1842
65°	1090
70°	641
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.2	26.0
10°-20°	852.2	50.4
20°-30°	347.1	20.5
30°-40°	36.7	2.2
40°-50°	8.6	0.5
50°-60°	5.6	0.3
60°-70°	2.4	0.1
70°-80°	0.4	0.0
80°-90°	0.0	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°	1638.5	96.8
0°-40°	1675.2	99.0
0°-60°	1689.3	99.8
0°-90°	1692.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4934	
5°	4810	439
15°	3176	852
25°	686	347
35°	49	37
45°	10	9
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4934.5
1°	4922.0
2°	4907.5
3°	4894.0
4°	4866.9
5°	4809.8
6°	4731.9
7°	4630.1
8°	4500.2
9°	4352.7
10°	4190.7
11°	4013.0
12°	3824.0
13°	3626.6
14°	3410.5
15°	3175.7
16°	2936.8
17°	2671.9
18°	2424.6
19°	2167.0
20°	1918.7
21°	1676.7
22°	1420.1
23°	1158.3
24°	910.0
25°	685.6
26°	491.4
27°	334.5
28°	221.3
29°	164.1
30°	137.1
32.5°	90.4
35°	48.8
37.5°	27.0
40°	16.6
42.5°	12.5
45°	10.4
47.5°	9.3
50°	8.3
52.5°	7.3
55°	6.2
57.5°	5.2
60°	4.2
62.5°	3.1
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)