

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: P220704

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED5080-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1692.9 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

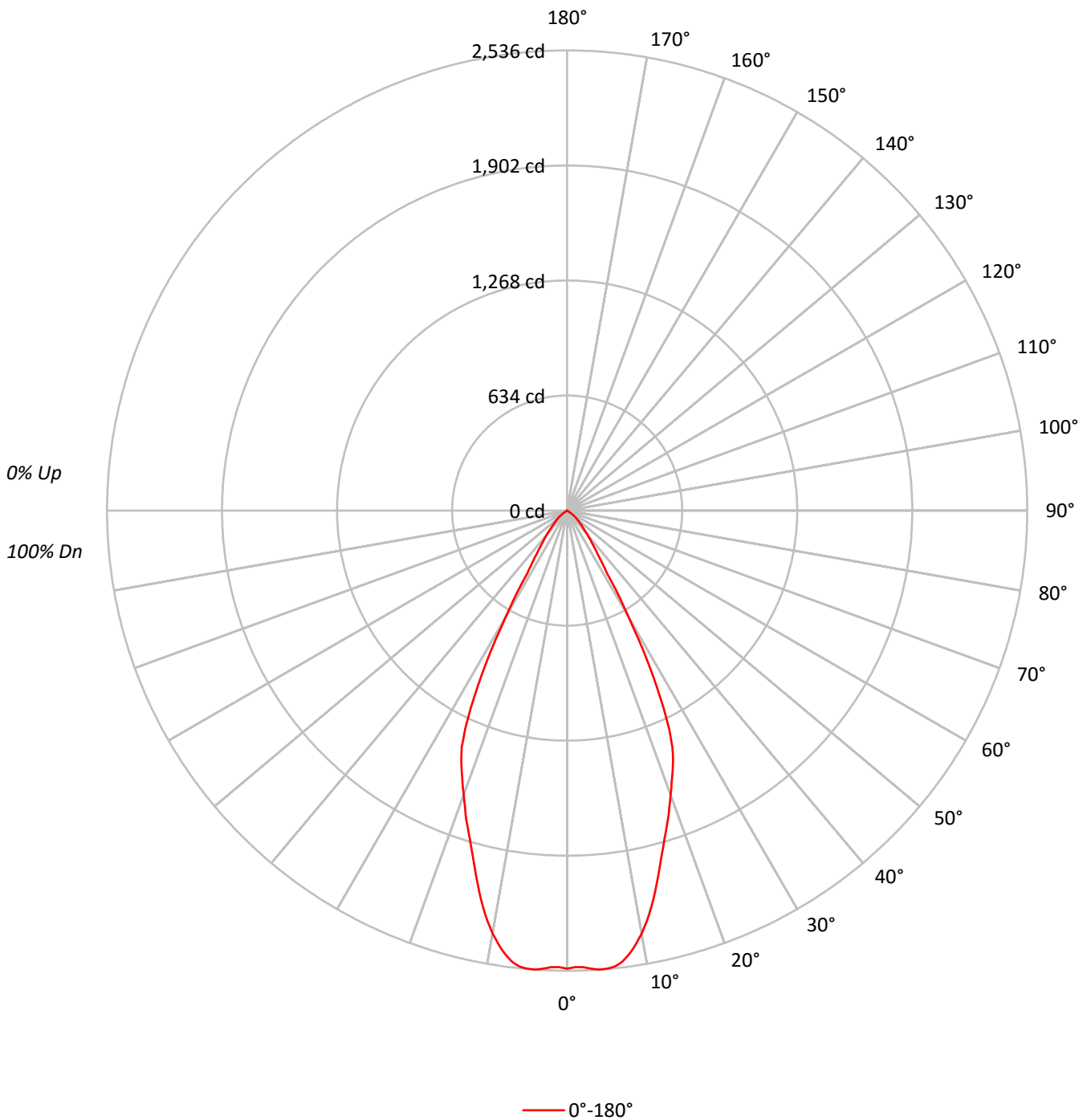
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553552
5°	557714
10°	526933
15°	453260
20°	389070
25°	321962
30°	171773
35°	78139
40°	49951
45°	32872
50°	23027
55°	11507
60°	2719
65°	2698
70°	2693
75°	1779
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	14.0
10°-20°	558.4	33.0
20°-30°	570.6	33.7
30°-40°	206.7	12.2
40°-50°	85.1	5.0
50°-60°	27.5	1.6
60°-70°	4.9	0.3
70°-80°	2.3	0.1
80°-90°	0.7	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°	1365.7	80.7
0°-40°	1572.4	92.9
0°-60°	1685.0	99.5
0°-90°	1692.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2524	
5°	2534	237
15°	1997	558
25°	1331	571
35°	292	207
45°	106	85
55°	30	27
65°	5	5
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2524.4
1°	2517.1
2°	2518.1
3°	2527.5
4°	2535.8
5°	2533.7
6°	2526.4
7°	2503.6
8°	2467.2
9°	2419.4
10°	2366.5
11°	2303.1
12°	2233.5
13°	2155.6
14°	2074.5
15°	1996.6
16°	1921.8
17°	1856.4
18°	1796.1
19°	1729.7
20°	1667.3
21°	1608.1
22°	1549.9
23°	1493.8
24°	1427.4
25°	1330.7
26°	1212.3
27°	1083.5
28°	947.4
29°	810.3
30°	678.4
32.5°	407.2
35°	291.9
37.5°	225.4
40°	174.5
42.5°	133.0
45°	106.0
47.5°	85.2
50°	67.5
52.5°	49.9
55°	30.1
57.5°	8.3
60°	6.2
62.5°	5.2
65°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	4.2
72.5°	3.1
75°	2.1
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)