

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: P220684

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED2790-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220684
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-LED2790-F-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1348.3 lumens
Efficiency: N/A
Efficacy: 67.1 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

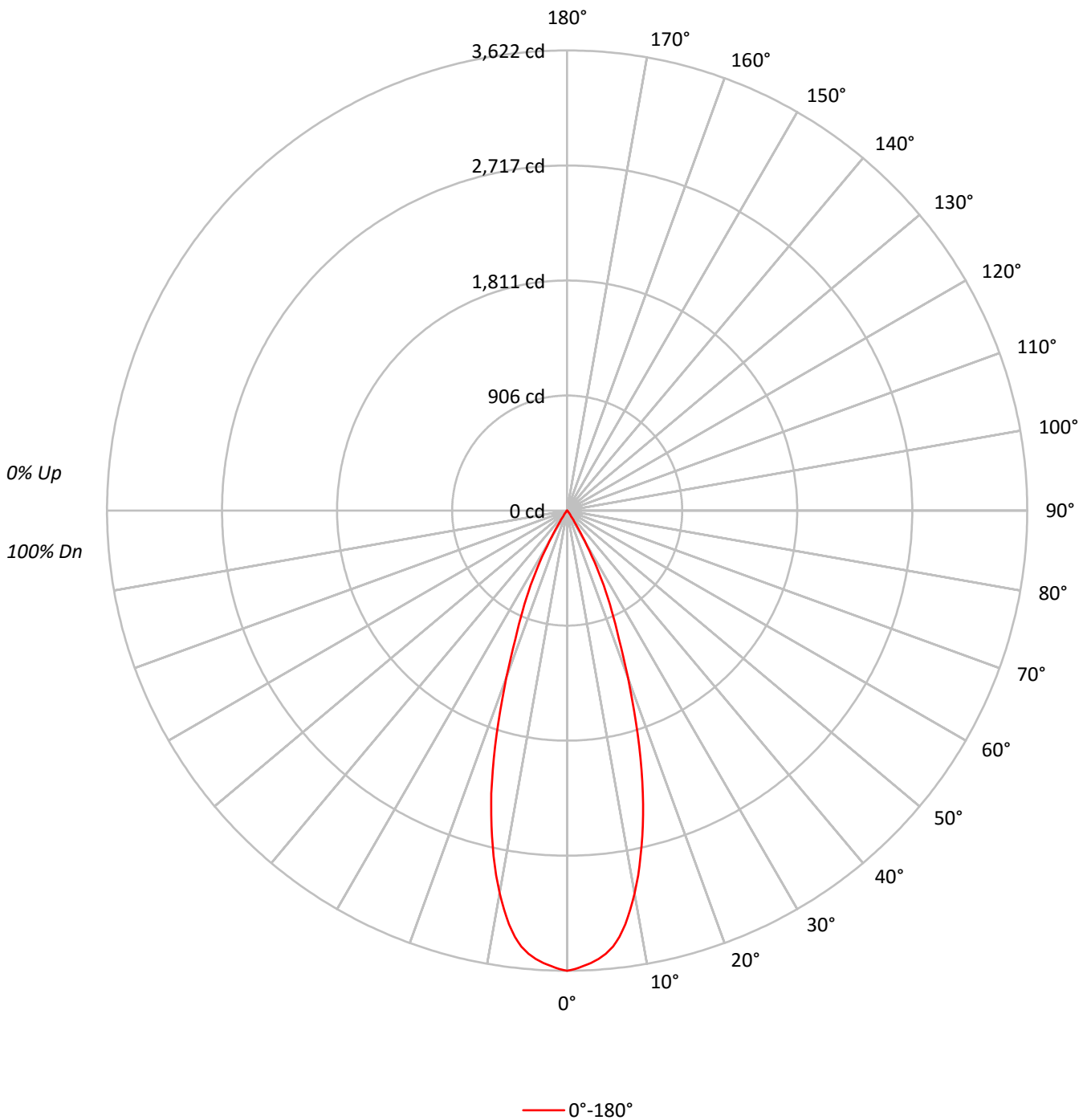
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	106	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°	794257
5°	770722
10°	681350
15°	523227
20°	325692
25°	183640
30°	69732
35°	14937
40°	5840
45°	1861
50°	1535
55°	1147
60°	1009
65°	1193
70°	962
75°	1271
80°	1010
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	23.8
10°-20°	618.5	45.9
20°-30°	344.9	25.6
30°-40°	52.1	3.9
40°-50°	5.8	0.4
50°-60°	2.9	0.2
60°-70°	2.0	0.1
70°-80°	1.3	0.1
80°-90°	0.3	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°	1283.9	95.2
0°-40°	1336.0	99.1
0°-60°	1344.7	99.7
0°-90°	1348.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3622	
5°	3501	321
15°	2305	618
25°	759	345
35°	56	52
45°	6	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3622.1
1°	3609.2
2°	3588.1
3°	3566.2
4°	3538.3
5°	3501.4
6°	3451.6
7°	3379.9
8°	3287.8
9°	3179.2
10°	3060.0
11°	2926.5
12°	2781.6
13°	2631.5
14°	2470.8
15°	2304.8
16°	2125.3
17°	1939.7
18°	1751.1
19°	1570.7
20°	1395.7
21°	1233.5
22°	1090.2
23°	969.5
24°	864.6
25°	759.0
26°	655.6
27°	555.3
28°	457.9
29°	364.4
30°	275.4
32.5°	110.1
35°	55.8
37.5°	34.7
40°	20.4
42.5°	7.5
45°	6.0
47.5°	4.5
50°	4.5
52.5°	3.8
55°	3.0
57.5°	3.0
60°	2.3
62.5°	2.3
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)