

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: P220667

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29477)
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-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1224.6 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

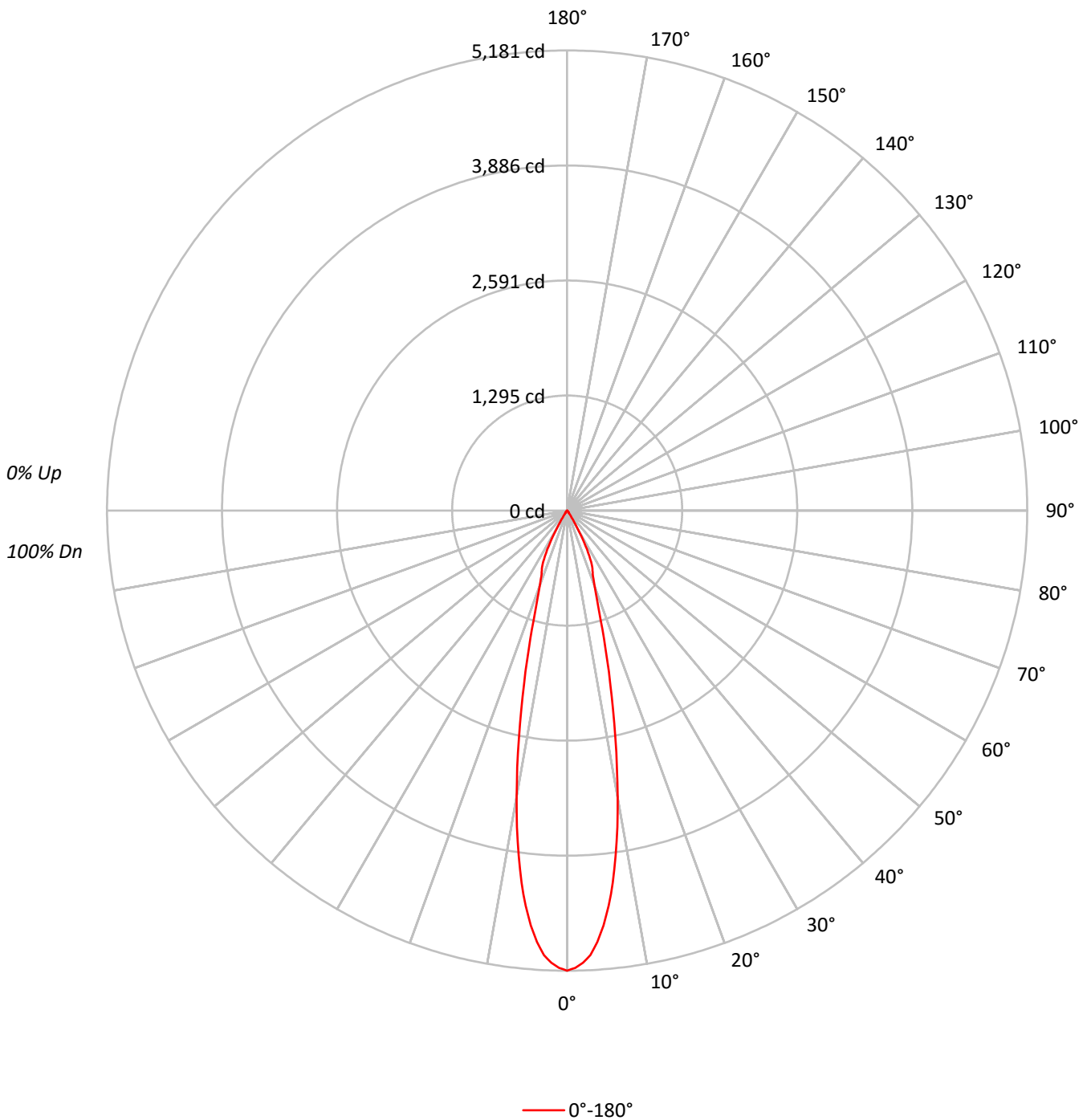
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1136027
5°	1032267
10°	729557
15°	394259
20°	209668
25°	154243
30°	62263
35°	11912
40°	6269
45°	2822
50°	2320
55°	2026
60°	1667
65°	1557
70°	1475
75°	1271
80°	1010
85°	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.8	32.8
10°-20°	490.2	40.0
20°-30°	269.8	22.0
30°-40°	44.8	3.7
40°-50°	8.2	0.7
50°-60°	4.7	0.4
60°-70°	3.0	0.2
70°-80°	1.6	0.1
80°-90°	0.5	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°	1161.8	94.9
0°-40°	1206.5	98.5
0°-60°	1219.5	99.6
0°-90°	1224.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1224.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5181	
5°	4690	402
15°	1737	490
25°	638	270
35°	44	45
45°	9	8
55°	5	5
65°	3	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5180.7
1°	5149.0
2°	5095.5
3°	5011.0
4°	4867.6
5°	4689.6
6°	4474.6
7°	4218.8
8°	3927.6
9°	3608.5
10°	3276.5
11°	2941.5
12°	2612.6
13°	2298.0
14°	2007.6
15°	1736.7
16°	1502.8
17°	1292.3
18°	1127.9
19°	996.6
20°	898.5
21°	823.8
22°	769.5
23°	731.0
24°	692.6
25°	637.5
26°	568.8
27°	491.9
28°	408.1
29°	325.9
30°	245.9
32.5°	89.0
35°	44.5
37.5°	31.7
40°	21.9
42.5°	11.3
45°	9.1
47.5°	8.3
50°	6.8
52.5°	6.0
55°	5.3
57.5°	4.5
60°	3.8
62.5°	3.8
65°	3.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	2.3
72.5°	1.5
75°	1.5
77.5°	1.5
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)