

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: P220650

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)  
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-S-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1282.4 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

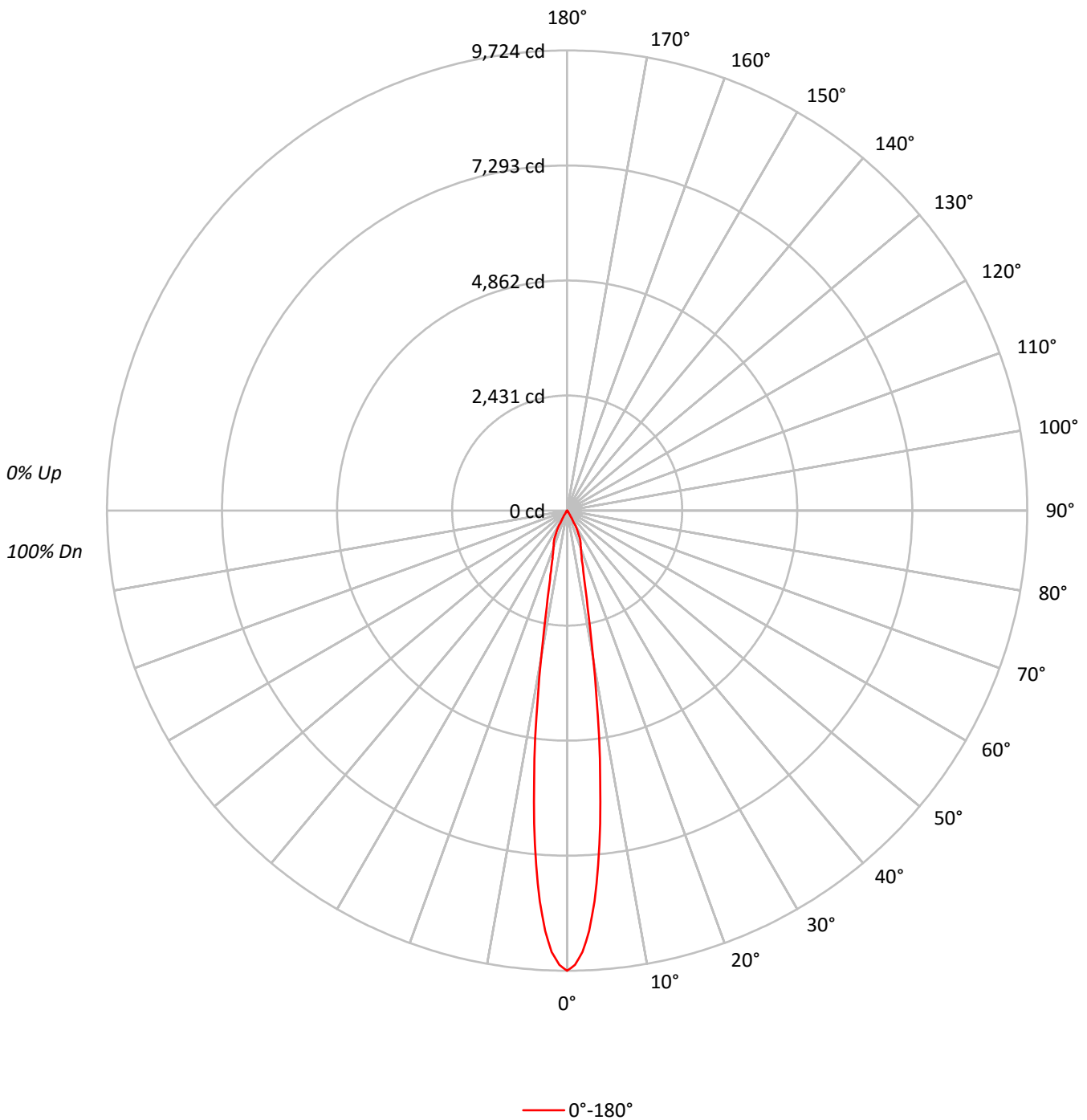
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	100	100	100	100	100	100		
1	115	113	111	110	113	111	109	108	107	106	104	103	102	101	100	99	99	97	97	97	97	97	97	97		
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94	94	94	94		
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91	91	91	91	91		
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88	88	88	88	88		
5	102	96	92	89	101	95	92	89	94	91	88	92	90	88	91	89	87	86	86	86	86	86	86	86		
6	99	93	89	86	98	93	89	86	91	88	86	90	87	85	89	86	85	83	83	83	83	83	83	83		
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81	81	81	81	81	81	81		
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79	79	79	79	79	79	79		
9	92	86	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	77	77	77	77	77	77	77		
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	76	76	76	76	76	76	76		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2132263
5°	1655510
10°	707224
15°	299026
20°	198234
25°	148581
30°	56920
35°	8673
40°	4752
45°	2109
50°	1535
55°	1453
60°	1667
65°	1557
70°	1475
75°	1271
80°	1010
85°	2013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	568.4	44.3
10°-20°	402.7	31.4
20°-30°	259.6	20.2
30°-40°	37.4	2.9
40°-50°	5.9	0.5
50°-60°	3.6	0.3
60°-70°	2.8	0.2
70°-80°	1.4	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°	1230.7	96.0
0°-40°	1268.1	98.9
0°-60°	1277.7	99.6
0°-90°	1282.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1282.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9724	
5°	7521	568
15°	1317	403
25°	614	260
35°	32	37
45°	7	6
55°	4	4
65°	3	3
75°	2	1
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9723.9
1°	9602.5
2°	9333.9
3°	8892.5
4°	8278.4
5°	7521.0
6°	6650.4
7°	5741.3
8°	4842.0
9°	3953.2
10°	3176.2
11°	2541.7
12°	2084.5
13°	1750.3
14°	1502.1
15°	1317.2
16°	1164.8
17°	1053.9
18°	974.7
19°	905.3
20°	849.5
21°	801.2
22°	759.0
23°	719.7
24°	674.5
25°	614.1
26°	543.2
27°	467.0
28°	384.0
29°	301.8
30°	224.8
32.5°	74.7
35°	32.4
37.5°	23.4
40°	16.6
42.5°	8.3
45°	6.8
47.5°	5.3
50°	4.5
52.5°	4.5
55°	3.8
57.5°	3.8
60°	3.8
62.5°	3.0
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°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)