

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: P220561

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2790-W-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)  
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]-LED2790-W-BK-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1032.3 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

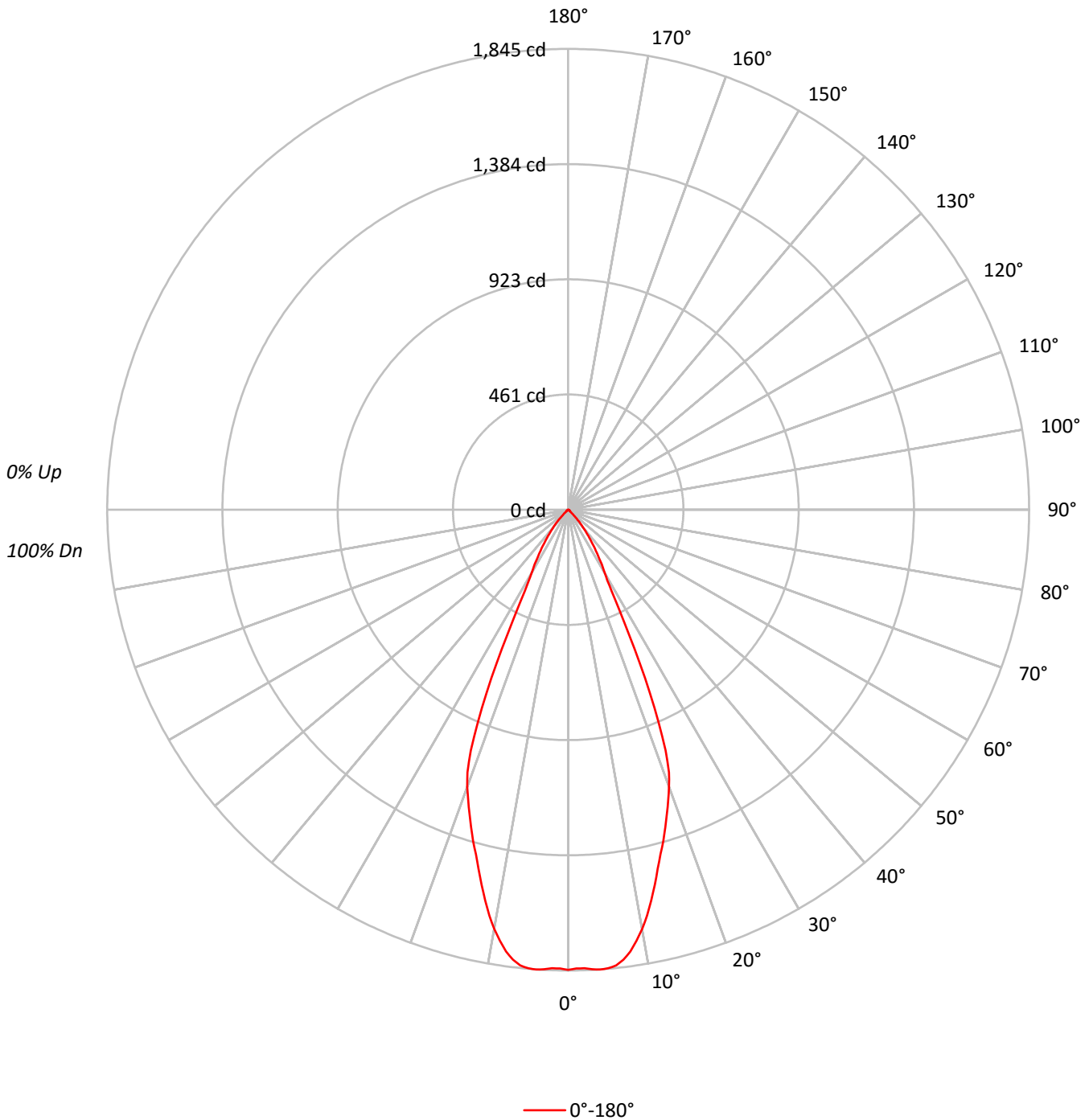
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	69	67	66
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63
10	78	70	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	60

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

	0°
0°	403981
5°	405700
10°	379485
15°	324224
20°	275521
25°	163727
30°	74492
35°	47248
40°	26793
45°	9830
50°	3104
55°	2294
60°	1974
65°	1193
70°	513
75°	678
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.7	16.6
10°-20°	399.1	38.7
20°-30°	309.9	30.0
30°-40°	113.0	10.9
40°-50°	29.9	2.9
50°-60°	5.6	0.5
60°-70°	2.5	0.2
70°-80°	0.7	0.1
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°	880.7	85.3
0°-40°	993.6	96.3
0°-60°	1029.1	99.7
0°-90°	1032.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1842	
5°	1843	172
15°	1428	399
25°	677	310
35°	176	113
45°	32	30
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1842.3
1°	1837.1
2°	1837.1
3°	1842.3
4°	1845.4
5°	1843.1
6°	1834.0
7°	1815.2
8°	1785.8
9°	1747.3
10°	1704.3
11°	1654.5
12°	1599.4
13°	1541.3
14°	1481.7
15°	1428.2
16°	1379.9
17°	1328.6
18°	1279.5
19°	1229.7
20°	1180.7
21°	1126.4
22°	1040.4
23°	927.2
24°	804.2
25°	676.7
26°	556.8
27°	449.6
28°	368.9
29°	322.9
30°	294.2
32.5°	231.6
35°	176.5
37.5°	132.8
40°	93.6
42.5°	61.9
45°	31.7
47.5°	14.3
50°	9.1
52.5°	6.8
55°	6.0
57.5°	5.3
60°	4.5
62.5°	3.0
65°	2.3



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)