

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: P220476

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
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-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1416.4 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

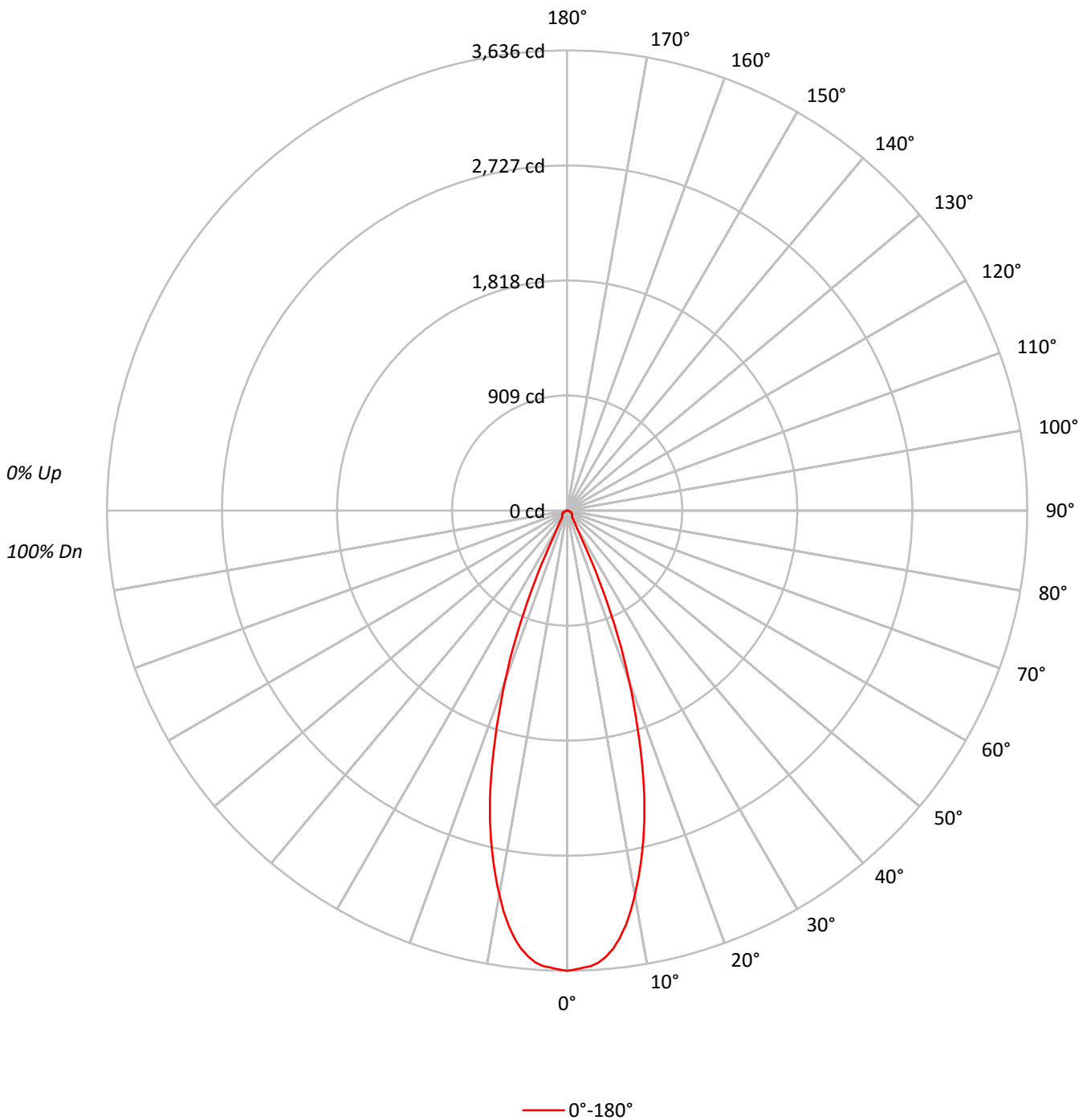
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	797392
5°	778514
10°	686716
15°	534350
20°	333789
25°	130338
30°	35524
35°	20800
40°	16631
45°	16839
50°	17773
55°	18159
60°	17849
65°	16448
70°	14041
75°	12793
80°	14269
85°	13335



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.2	22.8
10°-20°	630.9	44.5
20°-30°	270.6	19.1
30°-40°	53.4	3.8
40°-50°	42.3	3.0
50°-60°	42.1	3.0
60°-70°	31.2	2.2
70°-80°	16.7	1.2
80°-90°	5.9	0.4
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°	1224.8	86.5
0°-40°	1278.2	90.2
0°-60°	1362.6	96.2
0°-90°	1416.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1416.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3636	
5°	3537	323
15°	2354	631
25°	539	271
35°	78	53
45°	54	42
55°	48	42
65°	32	31
75°	15	17
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3636.4
1°	3625.8
2°	3614.5
3°	3603.9
4°	3579.0
5°	3536.8
6°	3480.2
7°	3406.3
8°	3312.0
9°	3205.6
10°	3084.1
11°	2954.4
12°	2819.3
13°	2673.0
14°	2519.1
15°	2353.8
16°	2177.3
17°	1991.7
18°	1800.1
19°	1612.2
20°	1430.4
21°	1257.6
22°	1072.1
23°	881.9
24°	700.9
25°	538.7
26°	397.6
27°	281.4
28°	200.7
29°	159.2
30°	140.3
32.5°	106.4
35°	77.7
37.5°	63.4
40°	58.1
42.5°	55.8
45°	54.3
47.5°	53.6
50°	52.1
52.5°	49.8
55°	47.5
57.5°	44.5
60°	40.7
62.5°	37.0
65°	31.7



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	26.4
70°	21.9
72.5°	18.1
75°	15.1
77.5°	13.6
80°	11.3
82.5°	8.3
85°	5.3
87.5°	2.3
90°	0.0

(END OF REPORT)