

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: P220442

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
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-S-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1356.5 lumens  
Efficiency: N/A  
Efficacy: 67.5 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

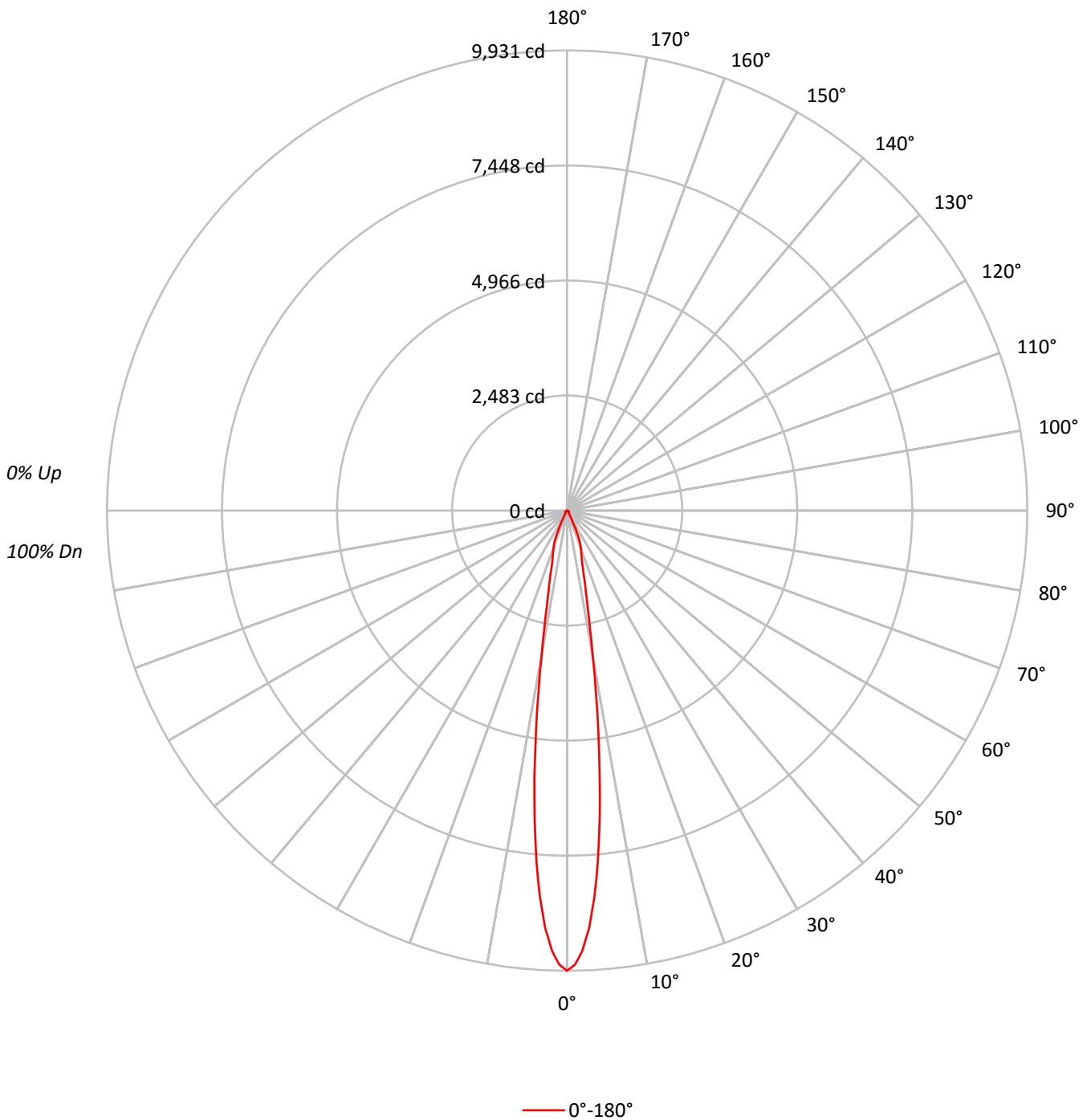
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	109	107	112	110	108	106	106	104	103		102	101	99		98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83		88	85	82		87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75		81	78	75		80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73		79	76	73		78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72		77	74	71		77	73	71	70

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

	0°
0°	2177611
5°	1672943
10°	709228
15°	304338
20°	202458
25°	96368
30°	23700
35°	17561
40°	16832
45°	16839
50°	17228
55°	19306
60°	19516
65°	18005
70°	15003
75°	13386
80°	15280
85°	15096



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	572.9	42.2
10°-20°	410.0	30.2
20°-30°	185.4	13.7
30°-40°	43.8	3.2
40°-50°	42.0	3.1
50°-60°	44.3	3.3
60°-70°	34.1	2.5
70°-80°	17.6	1.3
80°-90°	6.4	0.5
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°	1168.3	86.1
0°-40°	1212.1	89.4
0°-60°	1298.4	95.7
0°-90°	1356.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9931	
5°	7600	573
15°	1341	410
25°	398	185
35°	66	44
45°	54	42
55°	50	44
65°	35	34
75°	16	18
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9930.7
1°	9800.9
2°	9499.1
3°	9020.8
4°	8377.3
5°	7600.2
6°	6710.0
7°	5777.5
8°	4835.2
9°	3954.8
10°	3185.2
11°	2572.6
12°	2124.5
13°	1795.6
14°	1538.3
15°	1340.6
16°	1181.5
17°	1074.3
18°	994.4
19°	924.9
20°	867.6
22.5°	689.6
25°	398.3
26°	290.5
27°	197.7
28°	131.3
29°	103.4
30°	93.6
32.5°	78.5
35°	65.6
37.5°	61.1
40°	58.8
42.5°	56.6
45°	54.3
47.5°	52.1
50°	50.5
52.5°	50.5
55°	50.5
57.5°	49.0
60°	44.5
62.5°	40.7
65°	34.7
67.5°	28.7
70°	23.4
72.5°	18.9



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	15.8
77.5°	14.3
80°	12.1
82.5°	9.1
85°	6.0
87.5°	2.3
90°	0.0

(END OF REPORT)