

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: P220450

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2790-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
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-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 707.5 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

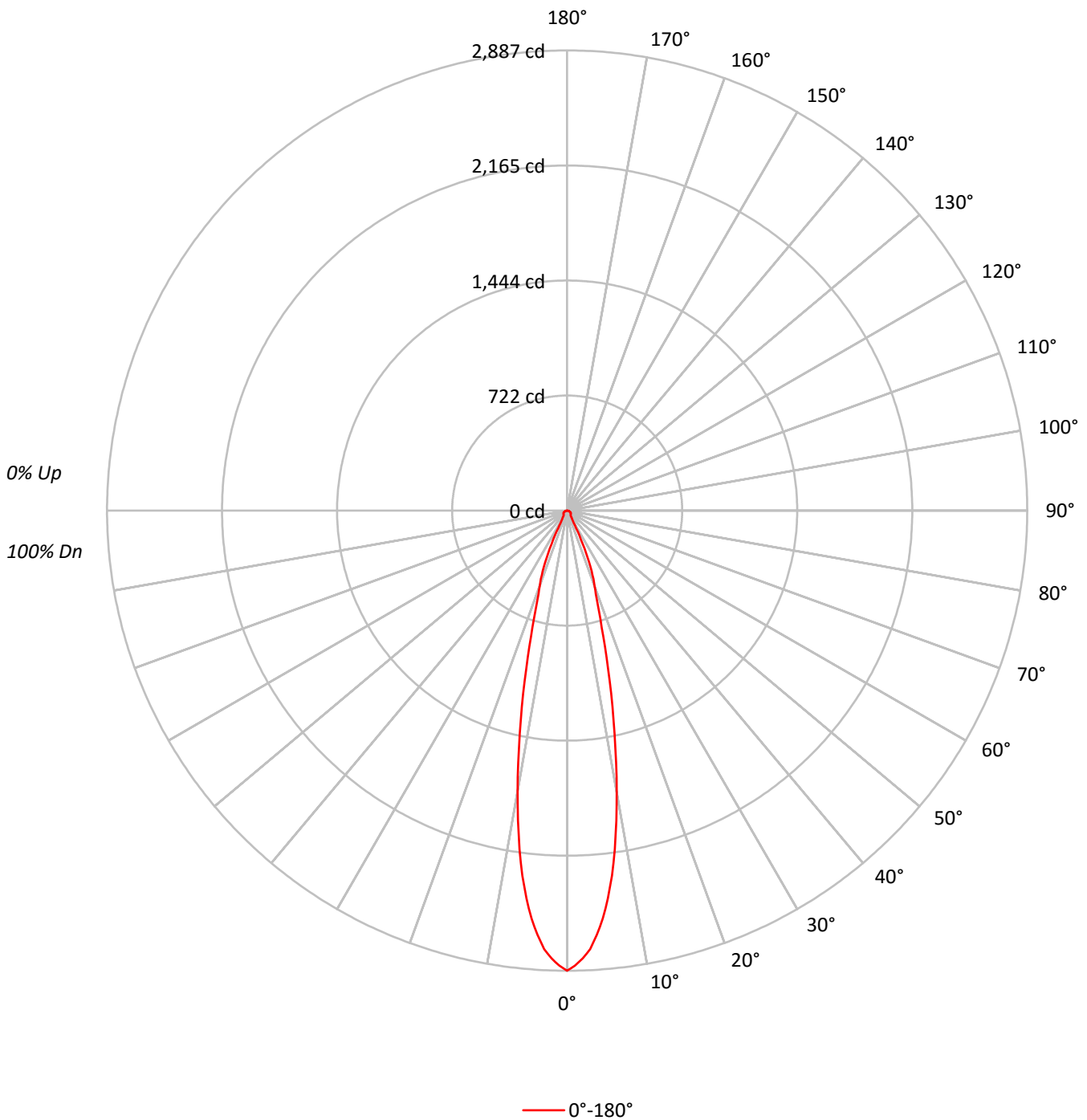
Input Watts (W): 9.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	100	97	94	97	94	92	94	92	91	89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

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

	0°
0°	632998
5°	565528
10°	398723
15°	216687
20°	117237
25°	55915
30°	16154
35°	10520
40°	9589
45°	9892
50°	10473
55°	11087
60°	10964
65°	10377
70°	8655
75°	7625
80°	8840
85°	8303



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.0	31.1
10°-20°	269.4	38.1
20°-30°	107.7	15.2
30°-40°	27.0	3.8
40°-50°	24.8	3.5
50°-60°	25.6	3.6
60°-70°	19.4	2.7
70°-80°	10.0	1.4
80°-90°	3.6	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°	597.1	84.4
0°-40°	624.1	88.2
0°-60°	674.4	95.3
0°-90°	707.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	707.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2887	
5°	2569	220
15°	954	269
25°	231	108
35°	39	27
45°	32	25
55°	29	26
65°	20	19
75°	9	10
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2886.7
1°	2854.8
2°	2811.8
3°	2755.8
4°	2668.2
5°	2569.2
6°	2445.3
7°	2307.8
8°	2145.8
9°	1969.1
10°	1790.7
11°	1609.0
12°	1430.3
13°	1263.3
14°	1102.2
15°	954.5
16°	820.7
17°	711.9
18°	623.1
19°	553.9
20°	502.4
21°	459.0
22°	409.5
23°	352.7
24°	291.3
25°	231.1
26°	173.1
27°	123.6
28°	87.1
29°	70.4
30°	63.8
32.5°	51.1
35°	39.3
37.5°	35.2
40°	33.5
42.5°	32.7
45°	31.9
47.5°	31.5
50°	30.7
52.5°	30.3
55°	29.0
57.5°	27.0
60°	25.0
62.5°	22.9
65°	20.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	16.4
70°	13.5
72.5°	10.6
75°	9.0
77.5°	8.2
80°	7.0
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)