

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: P220497

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED2797-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
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]-LED2797-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1189.9 lumens  
Efficiency: N/A  
Efficacy: 59.2 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

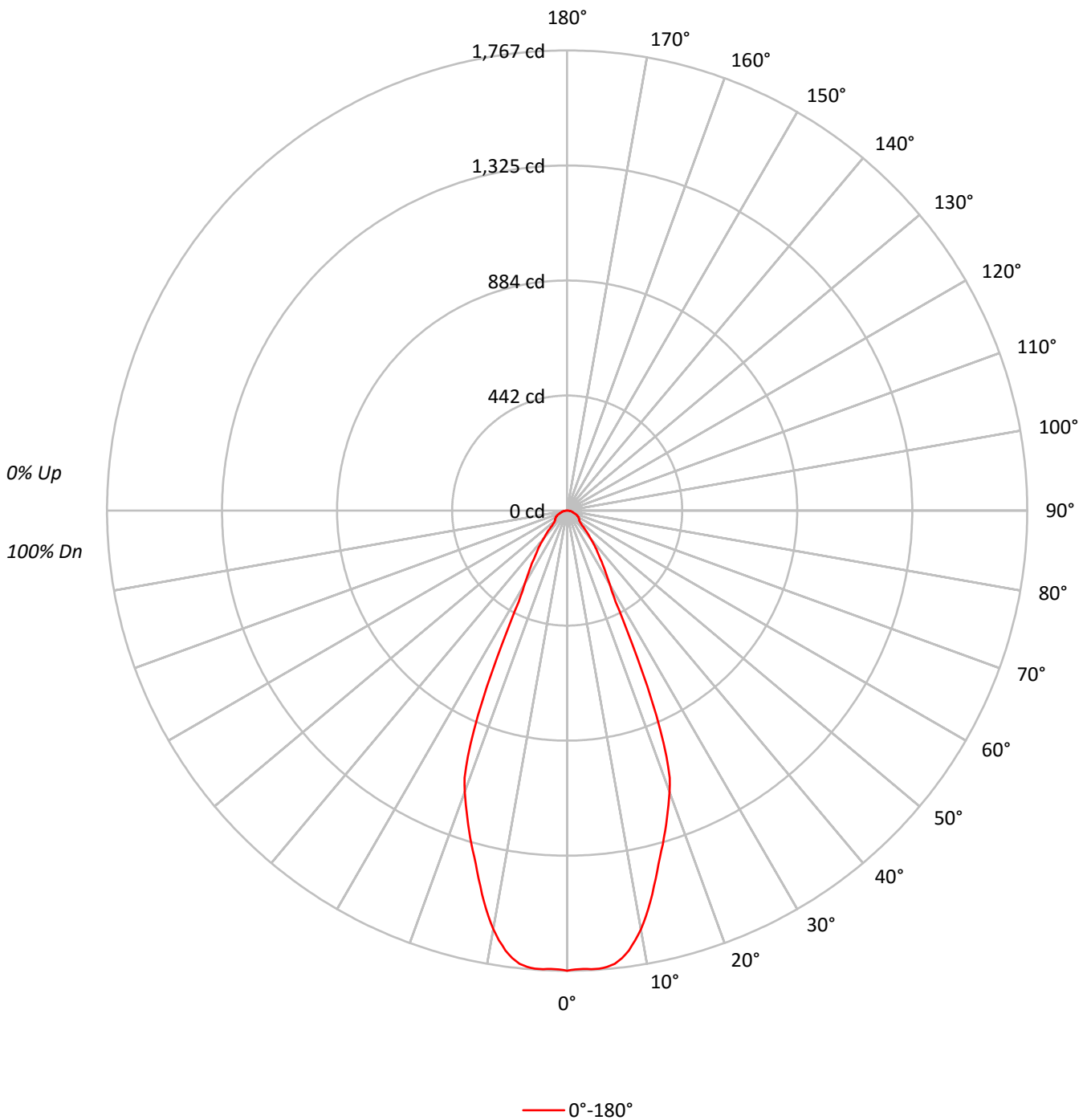
Input Watts (W): 20.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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

	0°
0°	387469
5°	387254
10°	363387
15°	312556
20°	268427
25°	165300
30°	82519
35°	57848
40°	40218
45°	25801
50°	20980
55°	21371
60°	21753
65°	21066
70°	18849
75°	17792
80°	19447
85°	19373



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.1	13.8
10°-20°	385.3	32.4
20°-30°	312.7	26.3
30°-40°	138.3	11.6
40°-50°	69.3	5.8
50°-60°	49.8	4.2
60°-70°	39.5	3.3
70°-80°	22.5	1.9
80°-90°	8.4	0.7
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°	862.1	72.4
0°-40°	1000.4	84.1
0°-60°	1119.5	94.1
0°-90°	1189.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1767	
5°	1759	164
15°	1377	385
25°	683	313
35°	216	138
45°	83	69
55°	56	50
65°	41	40
75°	21	23
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1767.0
1°	1762.1
2°	1760.7
3°	1763.5
4°	1763.5
5°	1759.3
6°	1750.2
7°	1732.0
8°	1705.5
9°	1671.2
10°	1632.0
11°	1586.6
12°	1536.3
13°	1481.7
14°	1427.9
15°	1376.8
16°	1332.8
17°	1286.6
18°	1240.5
19°	1194.3
20°	1150.3
21°	1099.2
22°	1018.8
23°	915.3
24°	802.0
25°	683.2
26°	571.3
27°	472.0
28°	396.5
29°	353.1
30°	325.9
32.5°	267.1
35°	216.1
37.5°	178.3
40°	140.5
42.5°	111.2
45°	83.2
47.5°	67.1
50°	61.5
52.5°	58.7
55°	55.9
57.5°	52.4
60°	49.6
62.5°	45.5
65°	40.6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	34.3
70°	29.4
72.5°	23.8
75°	21.0
77.5°	18.2
80°	15.4
82.5°	11.9
85°	7.7
87.5°	3.5
90°	0.0

(END OF REPORT)