

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: P220467

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220467
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-L1-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: 768.1 lumens
Efficiency: N/A
Efficacy: 78.4 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

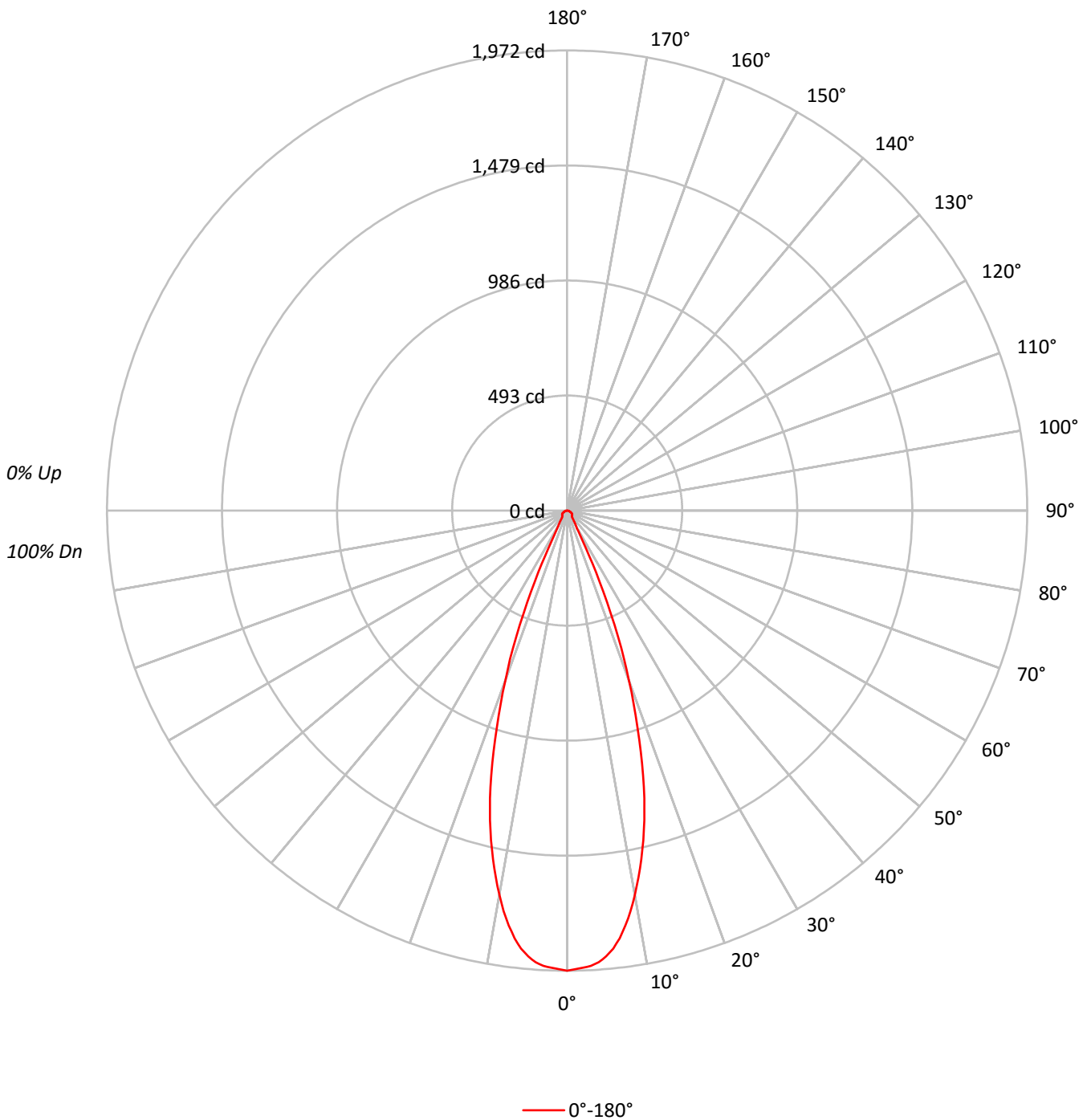
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	432400
5°	422165
10°	372405
15°	289763
20°	181012
25°	70673
30°	19269
35°	11270
40°	9017
45°	9148
50°	9620
55°	9863
60°	9692
65°	8924
70°	7629
75°	6947
80°	7703
85°	7296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.3	22.8
10°-20°	342.1	44.5
20°-30°	146.8	19.1
30°-40°	29.0	3.8
40°-50°	22.9	3.0
50°-60°	22.8	3.0
60°-70°	16.9	2.2
70°-80°	9.1	1.2
80°-90°	3.2	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°	664.2	86.5
0°-40°	693.1	90.2
0°-60°	738.9	96.2
0°-90°	768.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1972	
5°	1918	175
15°	1276	342
25°	292	147
35°	42	29
45°	30	23
55°	26	23
65°	17	17
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1971.9
1°	1966.2
2°	1960.1
3°	1954.3
4°	1940.8
5°	1917.9
6°	1887.2
7°	1847.1
8°	1796.0
9°	1738.3
10°	1672.5
11°	1602.1
12°	1528.9
13°	1449.5
14°	1366.0
15°	1276.4
16°	1180.7
17°	1080.1
18°	976.1
19°	874.3
20°	775.7
21°	682.0
22°	581.3
23°	478.3
24°	380.1
25°	292.1
26°	215.6
27°	152.6
28°	108.8
29°	86.3
30°	76.1
32.5°	57.7
35°	42.1
37.5°	34.4
40°	31.5
42.5°	30.3
45°	29.5
47.5°	29.0
50°	28.2
52.5°	27.0
55°	25.8
57.5°	24.1
60°	22.1
62.5°	20.0
65°	17.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14.3
70°	11.9
72.5°	9.8
75°	8.2
77.5°	7.4
80°	6.1
82.5°	4.5
85°	2.9
87.5°	1.2
90°	0.0

(END OF REPORT)