

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: P220518

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 590.1 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

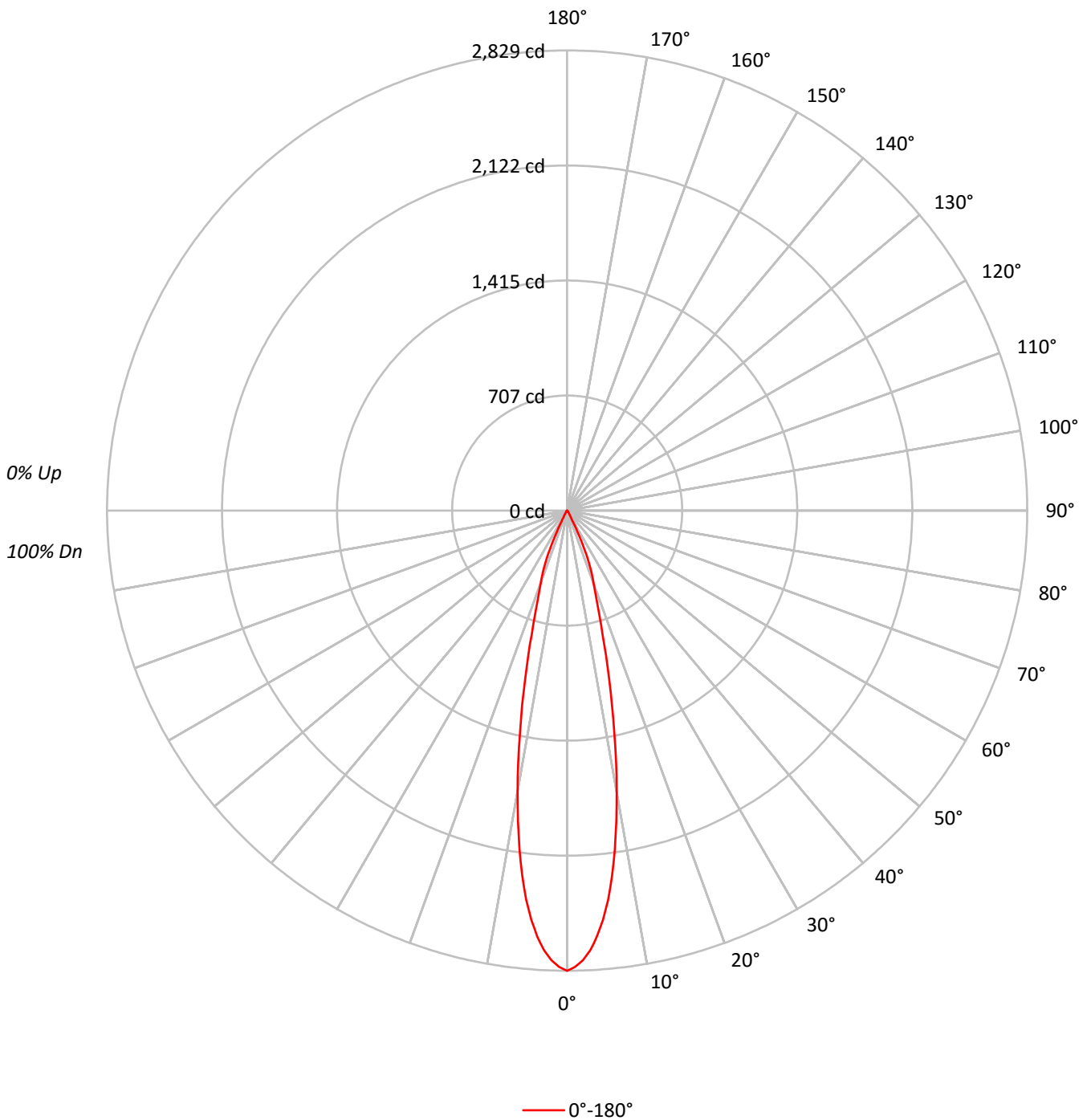
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88		92	89	87		91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85		89	87	84		88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	620433
5°	555997
10°	390618
15°	209627
20°	110260
25°	49285
30°	9520
35°	3507
40°	2004
45°	1644
50°	1399
55°	1109
60°	877
65°	623
70°	256
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	36.6
10°-20°	260.4	44.1
20°-30°	95.0	16.1
30°-40°	10.5	1.8
40°-50°	4.1	0.7
50°-60°	2.6	0.4
60°-70°	1.2	0.2
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	571.5	96.9
0°-40°	582.0	98.6
0°-60°	588.8	99.8
0°-90°	590.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2829	
5°	2526	216
15°	923	260
25°	204	95
35°	13	11
45°	5	4
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2829.4
1°	2806.5
2°	2766.4
3°	2707.5
4°	2626.1
5°	2525.9
6°	2406.0
7°	2265.3
8°	2105.7
9°	1932.7
10°	1754.3
11°	1574.7
12°	1396.7
13°	1228.6
14°	1068.2
15°	923.4
16°	790.4
17°	682.0
18°	594.0
19°	524.5
20°	472.5
21°	430.0
22°	381.3
23°	323.6
24°	263.5
25°	203.7
26°	146.9
27°	96.1
28°	60.5
29°	44.2
30°	37.6
32.5°	25.4
35°	13.1
37.5°	8.6
40°	7.0
42.5°	6.1
45°	5.3
47.5°	4.5
50°	4.1
52.5°	3.3
55°	2.9
57.5°	2.5
60°	2.0
62.5°	1.6
65°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)