

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: P220511

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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]-LED3090-S-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1211.7 lumens
Efficiency: N/A
Efficacy: 60.3 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

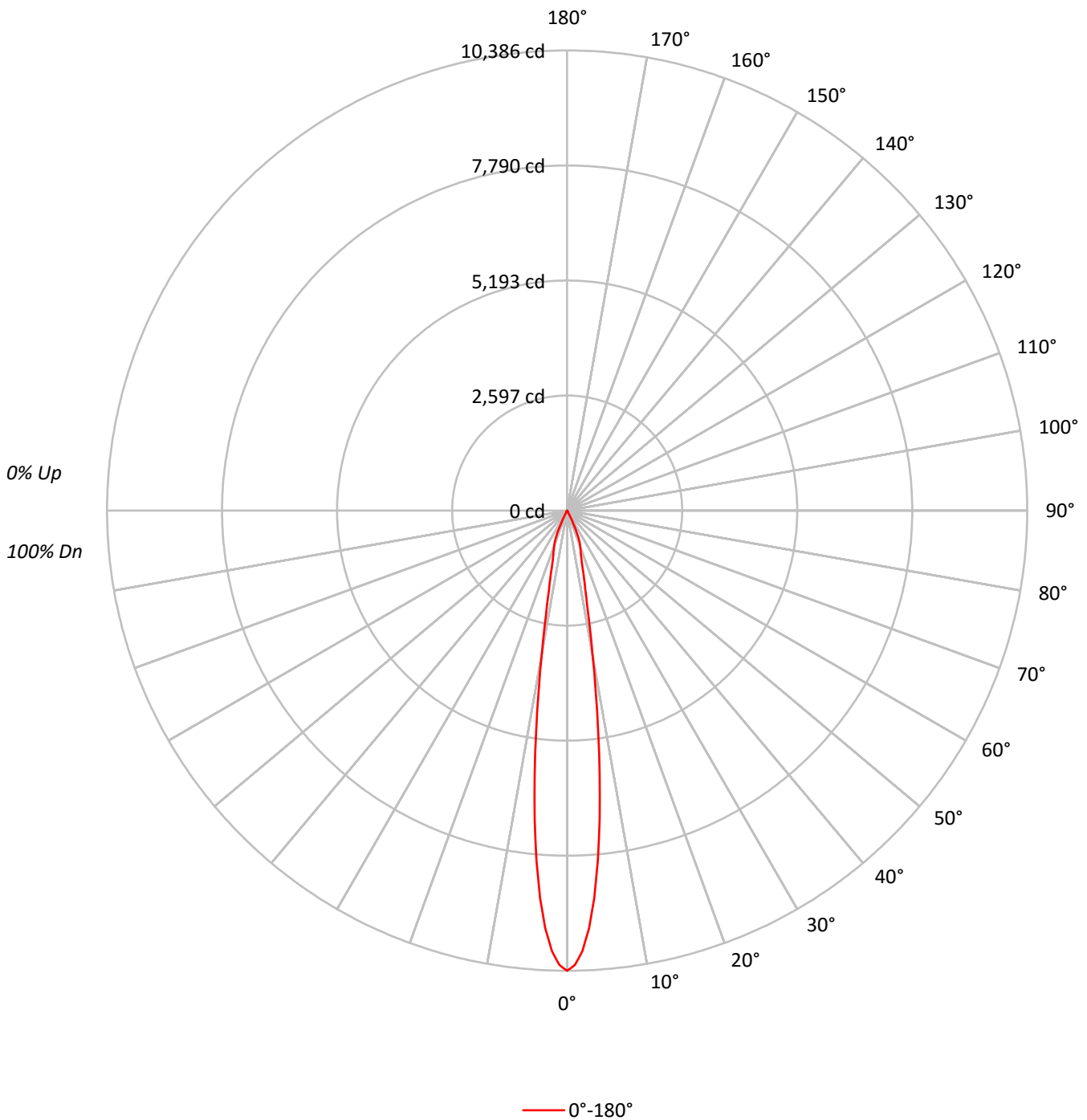
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		99	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		97	95	94	92
4	106	101	98	95	105	100	97	94	98	95	93		96	94	92		95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	91		94	92	90		93	91	89	88
6	101	95	92	89	100	95	91	89	93	90	88		92	90	88		91	89	87	86
7	99	93	89	87	98	92	89	86	91	88	86		90	88	86		89	87	85	84
8	96	91	87	84	95	90	87	84	89	86	84		88	86	84		88	85	83	82
9	94	88	85	82	94	88	85	82	87	84	82		87	84	82		86	83	82	81
10	92	87	83	81	92	86	83	81	86	83	80		85	82	80		84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2277449
5°	1744746
10°	731939
15°	308901
20°	200941
25°	88045
30°	11926
35°	4497
40°	3206
45°	2481
50°	2183
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.7	49.2
10°-20°	416.1	34.3
20°-30°	171.5	14.2
30°-40°	13.5	1.1
40°-50°	6.5	0.5
50°-60°	4.7	0.4
60°-70°	2.4	0.2
70°-80°	0.3	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°	1184.3	97.7
0°-40°	1197.9	98.9
0°-60°	1209.0	99.8
0°-90°	1211.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10386	
5°	7926	597
15°	1361	416
25°	364	171
35°	17	14
45°	8	6
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10386.0
1°	10253.5
2°	9943.1
3°	9437.9
4°	8763.5
5°	7926.4
6°	6995.0
7°	6019.0
8°	5015.0
9°	4094.9
10°	3287.2
11°	2648.0
12°	2174.7
13°	1826.0
14°	1571.4
15°	1360.7
16°	1190.7
17°	1079.8
18°	994.4
19°	919.4
20°	861.1
21°	807.6
22°	726.2
23°	615.3
24°	489.2
25°	363.9
26°	253.0
27°	151.6
28°	84.6
29°	56.7
30°	47.1
32.5°	30.3
35°	16.8
37.5°	12.8
40°	11.2
42.5°	9.6
45°	8.0
47.5°	7.2
50°	6.4
52.5°	5.6
55°	5.6
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
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)