

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: P220494

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220494
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]-LED3090-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1358.1 lumens
Efficiency: N/A
Efficacy: 67.6 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

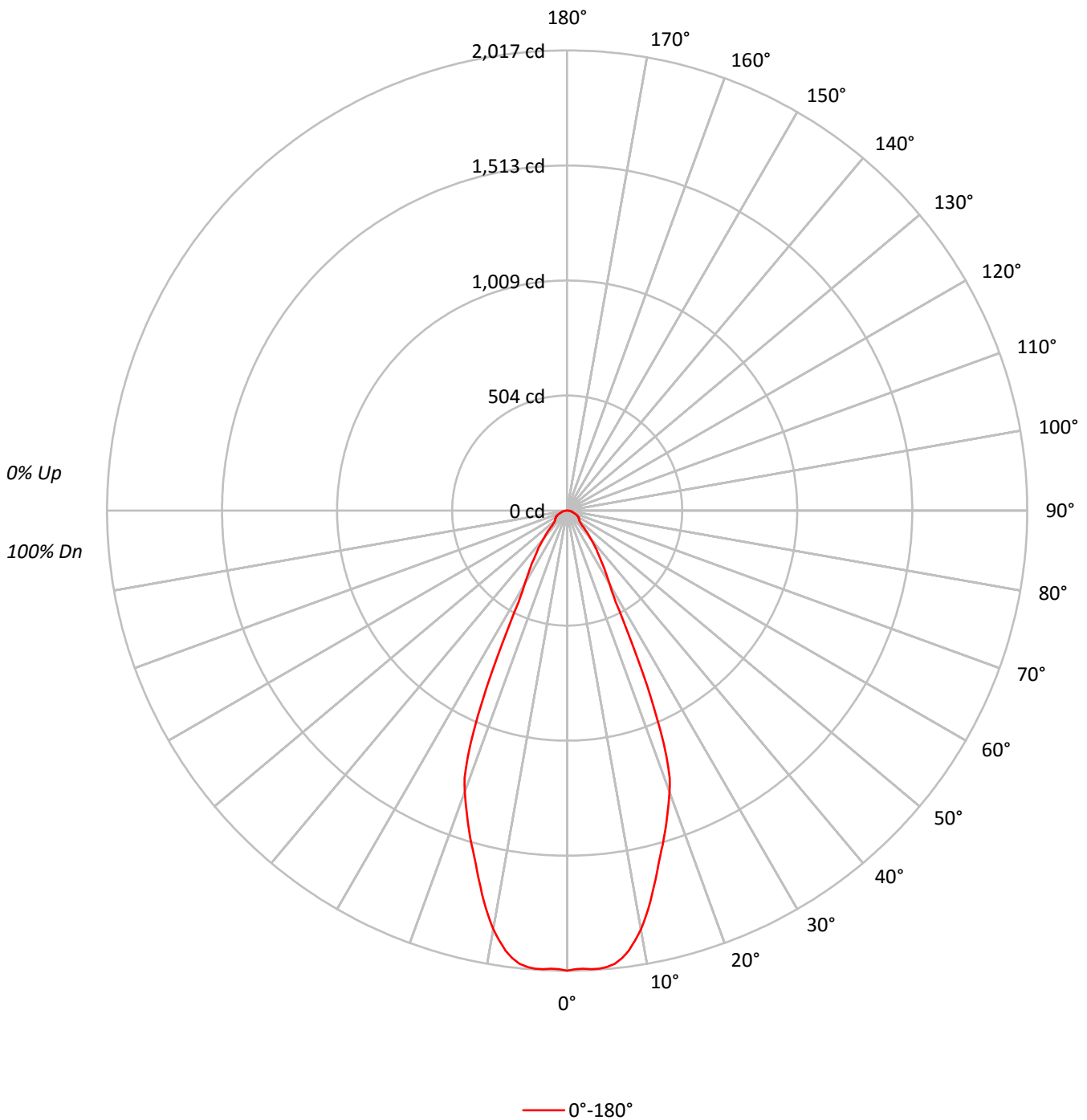
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	442223
5°	441976
10°	414755
15°	356733
20°	306347
25°	188648
30°	94166
35°	66013
40°	45915
45°	29460
50°	23948
55°	24391
60°	24866
65°	24023
70°	21478
75°	20249
80°	22225
85°	22140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	13.8
10°-20°	439.7	32.4
20°-30°	356.9	26.3
30°-40°	157.8	11.6
40°-50°	79.1	5.8
50°-60°	56.9	4.2
60°-70°	45.1	3.3
70°-80°	25.7	1.9
80°-90°	9.6	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°	983.9	72.4
0°-40°	1141.7	84.1
0°-60°	1277.7	94.1
0°-90°	1358.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1358.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2017	
5°	2008	187
15°	1571	440
25°	780	357
35°	247	158
45°	95	79
55°	64	57
65°	46	45
75°	24	26
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2016.7
1°	2011.1
2°	2009.5
3°	2012.7
4°	2012.7
5°	2007.9
6°	1997.6
7°	1976.8
8°	1946.5
9°	1907.4
10°	1862.7
11°	1810.8
12°	1753.4
13°	1691.1
14°	1629.7
15°	1571.4
16°	1521.1
17°	1468.4
18°	1415.8
19°	1363.1
20°	1312.8
21°	1254.6
22°	1162.8
23°	1044.7
24°	915.4
25°	779.7
26°	652.0
27°	538.7
28°	452.5
29°	403.0
30°	371.9
32.5°	304.9
35°	246.6
37.5°	203.5
40°	160.4
42.5°	126.9
45°	95.0
47.5°	76.6
50°	70.2
52.5°	67.0
55°	63.8
57.5°	59.9
60°	56.7
62.5°	51.9
65°	46.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	39.1
70°	33.5
72.5°	27.1
75°	23.9
77.5°	20.7
80°	17.6
82.5°	13.6
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)