

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: P220434

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 778.2 lumens
Efficiency: N/A
Efficacy: 79.4 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

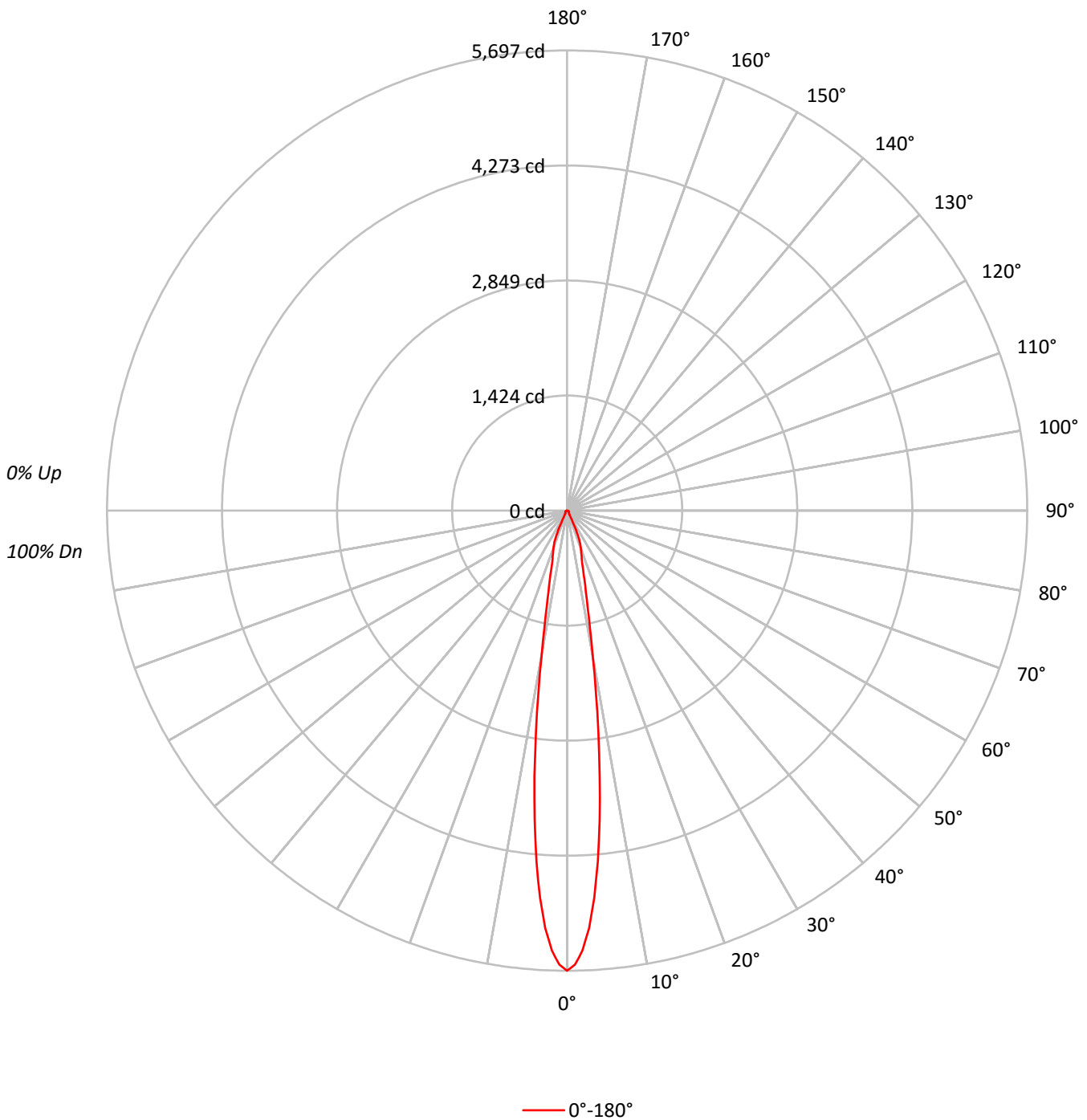
Input Watts (W): 9.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	106	104	103		102	101	99		98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	99	92	88	84	97	91	87	84	90	86	83		88	85	82		87	84	82	80
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75		81	78	75		80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73		79	76	73		78	75	73	72
10	86	79	75	72	85	79	74	72	78	74	72		77	74	71		77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1249154
5°	959650
10°	406851
15°	174575
20°	116140
25°	55285
30°	13597
35°	10092
40°	9675
45°	9675
50°	9893
55°	11087
60°	11183
65°	10325
70°	8591
75°	7710
80°	8713
85°	8806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	42.2
10°-20°	235.2	30.2
20°-30°	106.4	13.7
30°-40°	25.1	3.2
40°-50°	24.1	3.1
50°-60°	25.4	3.3
60°-70°	19.6	2.5
70°-80°	10.1	1.3
80°-90°	3.7	0.5
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°	670.2	86.1
0°-40°	695.3	89.4
0°-60°	744.9	95.7
0°-90°	778.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5697	
5°	4360	329
15°	769	235
25°	228	106
35°	38	25
45°	31	24
55°	29	25
65°	20	20
75°	9	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5696.6
1°	5622.1
2°	5449.0
3°	5174.6
4°	4805.5
5°	4359.7
6°	3849.1
7°	3314.2
8°	2773.6
9°	2268.6
10°	1827.2
11°	1475.7
12°	1218.7
13°	1030.0
14°	882.4
15°	769.0
16°	677.7
17°	616.3
18°	570.4
19°	530.6
20°	497.7
22.5°	395.6
25°	228.5
26°	166.6
27°	113.4
28°	75.3
29°	59.3
30°	53.7
32.5°	45.0
35°	37.7
37.5°	35.1
40°	33.8
42.5°	32.5
45°	31.2
47.5°	29.9
50°	29.0
52.5°	29.0
55°	29.0
57.5°	28.1
60°	25.5
62.5°	23.4
65°	19.9
67.5°	16.4
70°	13.4
72.5°	10.8



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CANDELA DISTRIBUTION (continued):

	0°
75°	9.1
77.5°	8.2
80°	6.9
82.5°	5.2
85°	3.5
87.5°	1.3
90°	0.0

(END OF REPORT)