

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: P220443

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220443
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-L2-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: 1435.0 lumens
Efficiency: N/A
Efficacy: 71.4 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

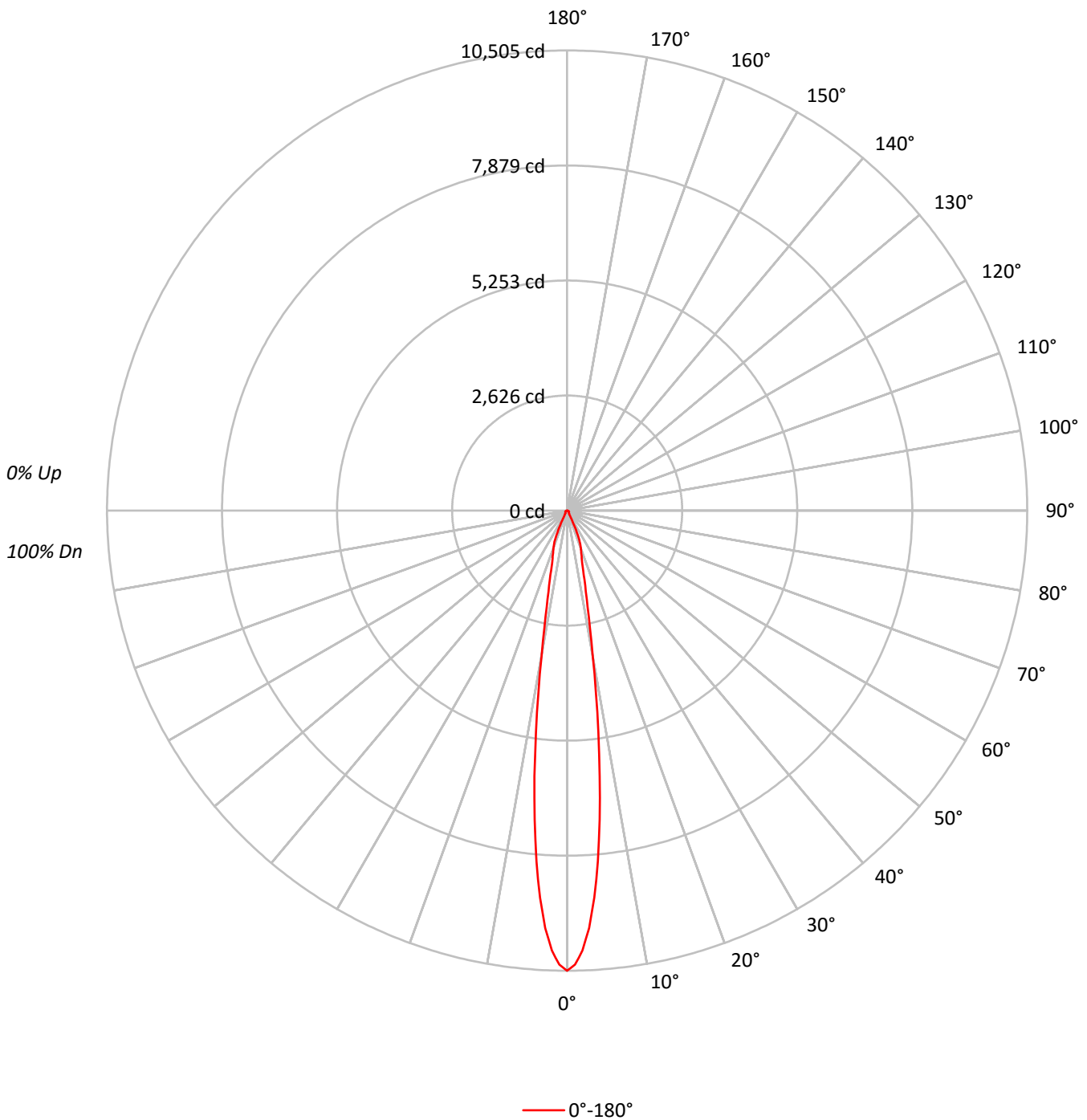
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2303522
5°	1769685
10°	750242
15°	321954
20°	214172
25°	101958
30°	25067
35°	18578
40°	17805
45°	17831
50°	18251
55°	20453
60°	20656
65°	19042
70°	15836
75°	14234
80°	16164
85°	16102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.1	42.2
10°-20°	433.7	30.2
20°-30°	196.1	13.7
30°-40°	46.3	3.2
40°-50°	44.5	3.1
50°-60°	46.9	3.3
60°-70°	36.1	2.5
70°-80°	18.7	1.3
80°-90°	6.7	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°	1235.9	86.1
0°-40°	1282.2	89.3
0°-60°	1373.5	95.7
0°-90°	1435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10505	
5°	8040	606
15°	1418	434
25°	421	196
35°	69	46
45°	58	45
55°	54	47
65°	37	36
75°	17	19
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10504.9
1°	10367.7
2°	10048.4
3°	9542.5
4°	8861.7
5°	8039.7
6°	7098.0
7°	6111.6
8°	5114.8
9°	4183.5
10°	3369.4
11°	2721.4
12°	2247.4
13°	1899.4
14°	1627.3
15°	1418.2
16°	1249.8
17°	1136.4
18°	1051.8
19°	978.4
20°	917.8
22.5°	729.4
25°	421.4
26°	307.3
27°	209.1
28°	138.9
29°	109.3
30°	99.0
32.5°	83.0
35°	69.4
37.5°	64.6
40°	62.2
42.5°	59.9
45°	57.5
47.5°	55.1
50°	53.5
52.5°	53.5
55°	53.5
57.5°	51.9
60°	47.1
62.5°	43.1
65°	36.7
67.5°	30.3
70°	24.7
72.5°	20.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	16.8
77.5°	15.2
80°	12.8
82.5°	9.6
85°	6.4
87.5°	2.4
90°	0.0

(END OF REPORT)