

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: P221154

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED CR-S-BK-LC2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29554)
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]-LED CR-S-BK-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 576.5 lumens
Efficiency: N/A
Efficacy: 23.8 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

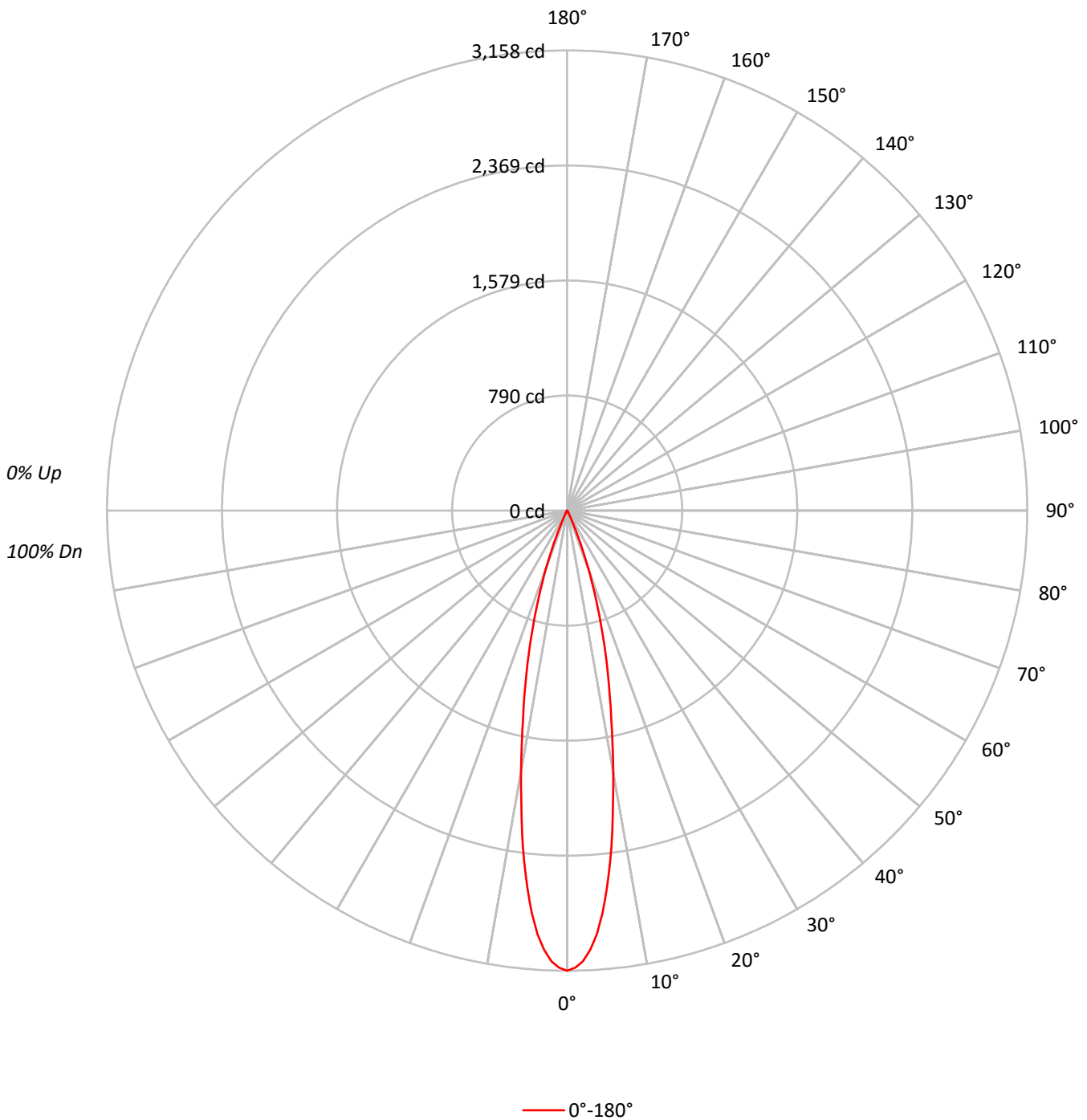
Input Watts (W): 24.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	106	101	97	94	104	100	96	94	98	95	93	96	93	92	94	92	91	89
5	103	97	94	91	101	97	93	90	95	92	90	93	91	89	92	90	88	87
6	100	94	91	88	99	94	90	88	92	89	87	91	89	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79
10	91	85	81	79	90	85	81	79	84	81	79	83	81	78	83	80	78	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	692488
5°	610608
10°	405247
15°	231102
20°	98709
25°	18872
30°	3798
35°	2945
40°	2004
45°	1551
50°	1023
55°	765
60°	877
65°	519
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.8	40.4
10°-20°	276.8	48.0
20°-30°	53.3	9.3
30°-40°	6.8	1.2
40°-50°	3.8	0.7
50°-60°	1.9	0.3
60°-70°	1.0	0.2
70°-80°	0.0	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°	563.0	97.7
0°-40°	569.8	98.8
0°-60°	575.5	99.8
0°-90°	576.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	576.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3158	
5°	2774	233
15°	1018	277
25°	78	53
35°	11	7
45°	5	4
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3158
1°	3138
2°	3094
3°	3020
4°	2914
5°	2774
6°	2607
7°	2424
8°	2226
9°	2017
10°	1820
11°	1631
12°	1457
13°	1301
14°	1154
15°	1018
16°	887
17°	763
18°	643
19°	529
20°	423
21°	326
22°	245
23°	175
24°	121
25°	78
26°	47
27°	26
28°	19
29°	17
30°	15
32.5°	13
35°	11
37.5°	9
40°	7
42.5°	6
45°	5
47.5°	4
50°	3
52.5°	2
55°	2
57.5°	2
60°	2
62.5°	1
65°	1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)