

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: P221155

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221155
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]-LEDCW-S-BK-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 571.4 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

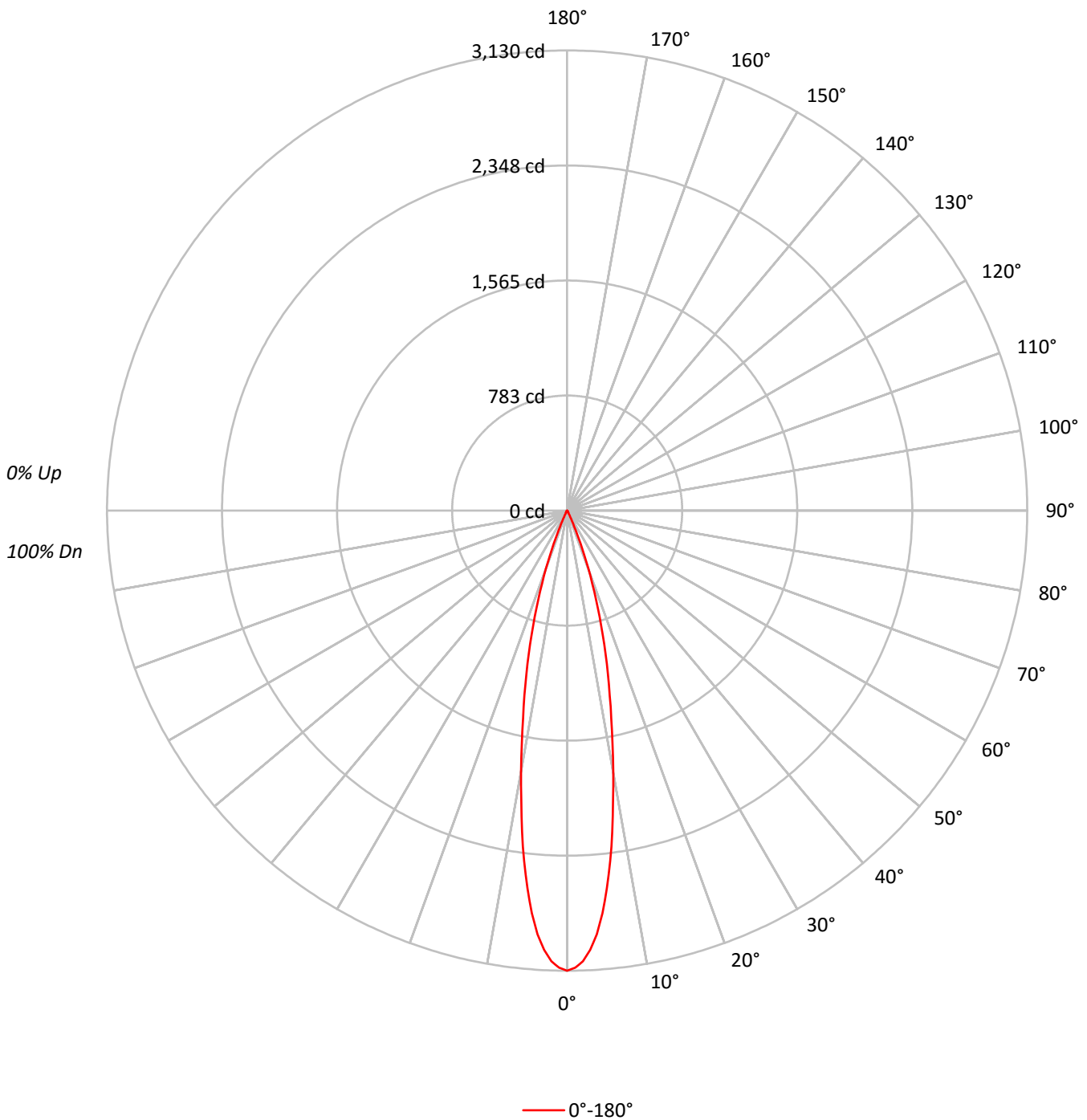
Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	686349
5°	605193
10°	401663
15°	229059
20°	97822
25°	18703
30°	3773
35°	2918
40°	1975
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°	230.7	40.4
10°-20°	274.4	48.0
20°-30°	52.9	9.3
30°-40°	6.7	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°	558.0	97.6
0°-40°	564.7	98.8
0°-60°	570.4	99.8
0°-90°	571.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3130	
5°	2749	231
15°	1009	274
25°	77	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°	3130.0
1°	3110.2
2°	3066.5
3°	2993.2
4°	2888.1
5°	2749.4
6°	2583.9
7°	2402.5
8°	2206.2
9°	1999.1
10°	1803.9
11°	1616.5
12°	1444.1
13°	1289.5
14°	1143.8
15°	1009.0
16°	879.1
17°	756.2
18°	637.3
19°	524.3
20°	419.2
21°	323.1
22°	242.8
23°	173.4
24°	119.9
25°	77.3
26°	46.6
27°	25.8
28°	18.8
29°	16.8
30°	14.9
32.5°	12.9
35°	10.9
37.5°	8.9
40°	6.9
42.5°	5.9
45°	5.0
47.5°	4.0
50°	3.0
52.5°	2.0
55°	2.0
57.5°	2.0
60°	2.0
62.5°	1.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	0.0
72.5°	0.0
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)