

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: P221157

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29555)
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-M-BK-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, MEDIUM FLOOD 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: 565.1 lumens
Efficiency: N/A
Efficacy: 23.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.49
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

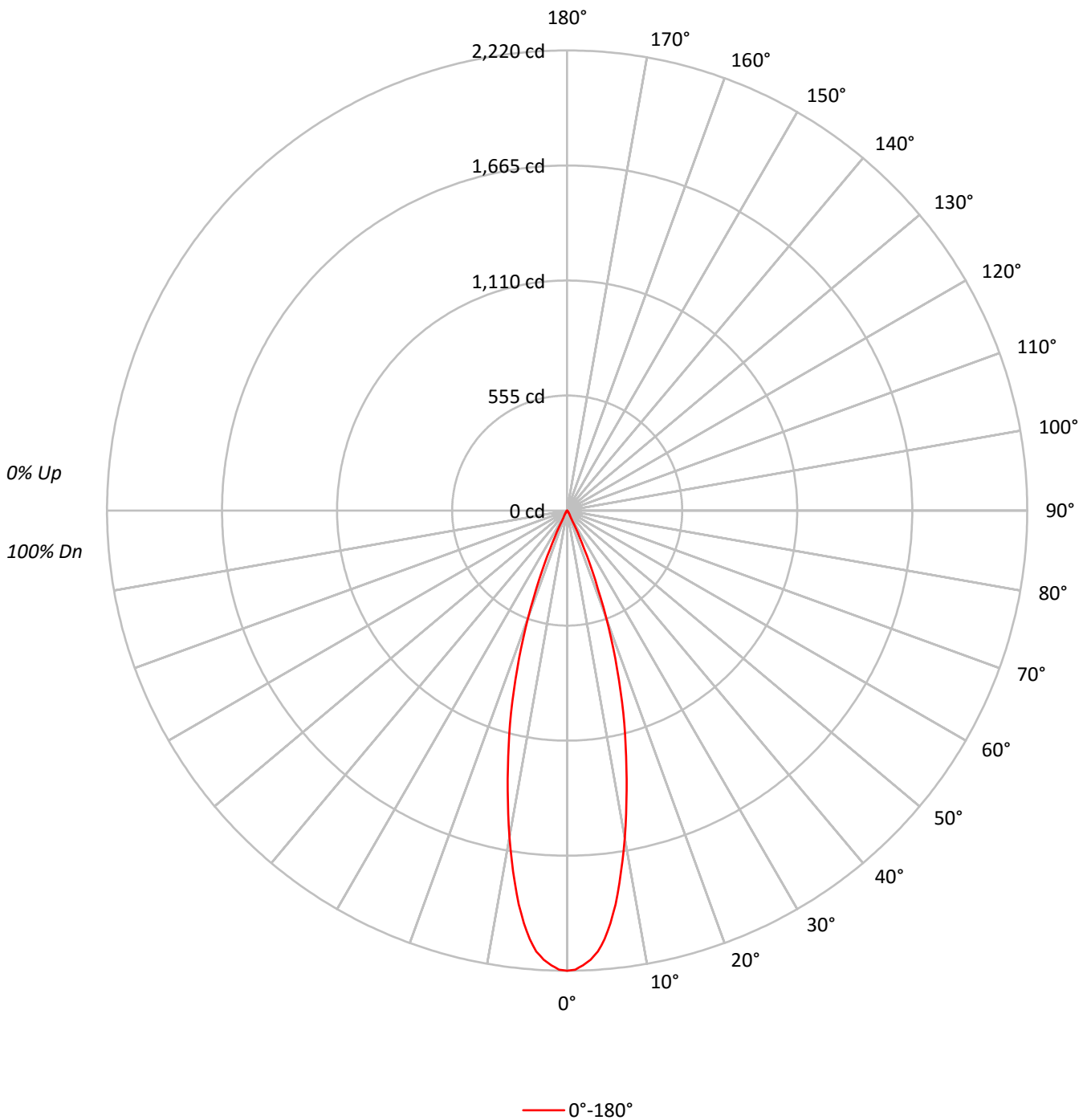
Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	95		97	95	93		95	93	92	90
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93	90	89	88
5	101	96	92	88	100	95	91	88	93	90	87		92	89	87		90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		81	79	77	76
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		79	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	486825
5°	456834
10°	356417
15°	241659
20°	127901
25°	33800
30°	6533
35°	3186
40°	1689
45°	1240
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°	182.3	32.3
10°-20°	286.3	50.7
20°-30°	82.0	14.5
30°-40°	8.3	1.5
40°-50°	3.1	0.6
50°-60°	2.1	0.4
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°	550.6	97.4
0°-40°	558.9	98.9
0°-60°	564.1	99.8
0°-90°	565.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2220	
5°	2075	182
15°	1064	286
25°	140	82
35°	12	8
45°	4	3
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2220.1
1°	2215.2
2°	2195.3
3°	2169.6
4°	2131.9
5°	2075.4
6°	2002.1
7°	1913.9
8°	1813.8
9°	1708.7
10°	1600.7
11°	1490.7
12°	1380.6
13°	1272.6
14°	1167.5
15°	1064.5
16°	959.4
17°	854.3
18°	751.3
19°	649.2
20°	548.1
21°	451.0
22°	360.8
23°	276.5
24°	203.2
25°	139.7
26°	91.2
27°	56.5
28°	38.7
29°	30.7
30°	25.8
32.5°	18.8
35°	11.9
37.5°	7.9
40°	5.9
42.5°	5.0
45°	4.0
47.5°	3.0
50°	3.0
52.5°	3.0
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)