

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: P221147

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29550)
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-WT-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE 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: 667.3 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

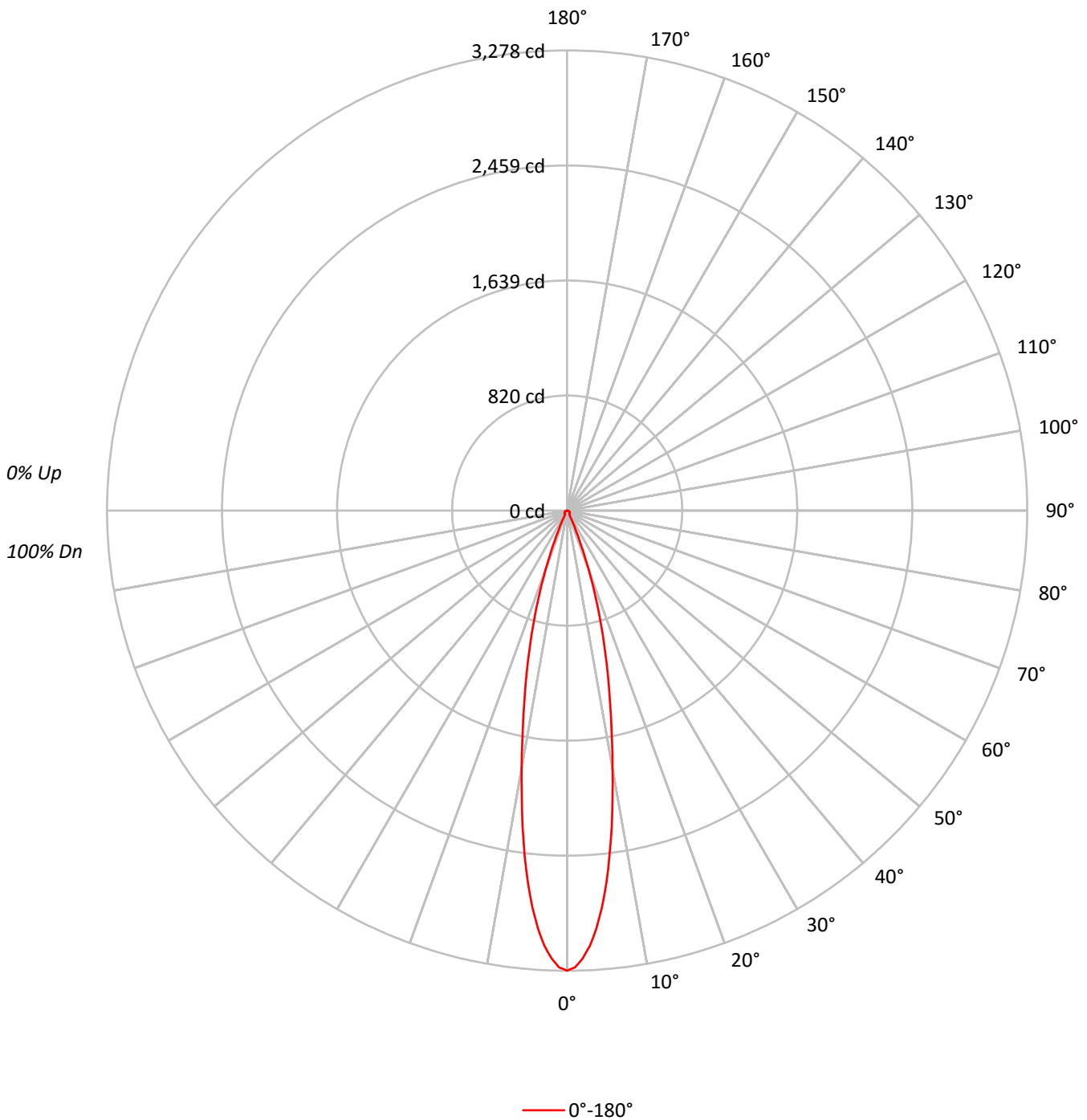
Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	92	88	85	98	92	87	84	90	86	83	88	85	83	87	84	82	81
6	96	89	85	81	95	88	84	81	87	83	80	86	82	80	85	82	79	78
7	93	86	82	78	92	86	81	78	84	81	78	83	80	77	82	79	77	76
8	91	83	79	76	90	83	79	76	82	78	76	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	78	74	72	78	74	72	77	74	71	77	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	718714
5°	624608
10°	415334
15°	238730
20°	105009
25°	23493
30°	8280
35°	7174
40°	7385
45°	8001
50°	7437
55°	7570
60°	8245
65°	8250
70°	6347
75°	5846
80°	6314
85°	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.6	35.8
10°-20°	286.3	42.9
20°-30°	62.6	9.4
30°-40°	17.4	2.6
40°-50°	19.2	2.9
50°-60°	18.1	2.7
60°-70°	14.8	2.2
70°-80°	7.4	1.1
80°-90°	2.9	0.4
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°	587.5	88.0
0°-40°	605.0	90.7
0°-60°	642.2	96.2
0°-90°	667.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	667.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3278	
5°	2838	239
15°	1052	286
25°	97	63
35°	27	17
45°	26	19
55°	20	18
65°	16	15
75°	7	7
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3277.6
1°	3254.8
2°	3191.4
3°	3105.2
4°	2985.3
5°	2837.6
6°	2669.1
7°	2477.8
8°	2276.6
9°	2068.5
10°	1865.3
11°	1672.0
12°	1497.6
13°	1338.0
14°	1190.3
15°	1051.6
16°	917.8
17°	792.9
18°	673.0
19°	557.0
20°	450.0
21°	351.8
22°	268.6
23°	197.2
24°	141.7
25°	97.1
26°	65.4
27°	43.6
28°	36.7
29°	33.7
30°	32.7
32.5°	29.7
35°	26.8
37.5°	25.8
40°	25.8
42.5°	25.8
45°	25.8
47.5°	23.8
50°	21.8
52.5°	20.8
55°	19.8
57.5°	19.8
60°	18.8
62.5°	16.8
65°	15.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.9
70°	9.9
72.5°	7.9
75°	6.9
77.5°	5.9
80°	5.0
82.5°	4.0
85°	3.0
87.5°	1.0
90°	0.0

(END OF REPORT)