

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: P221161

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29557)
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-W-BK-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE 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: 537.0 lumens
Efficiency: N/A
Efficacy: 22.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

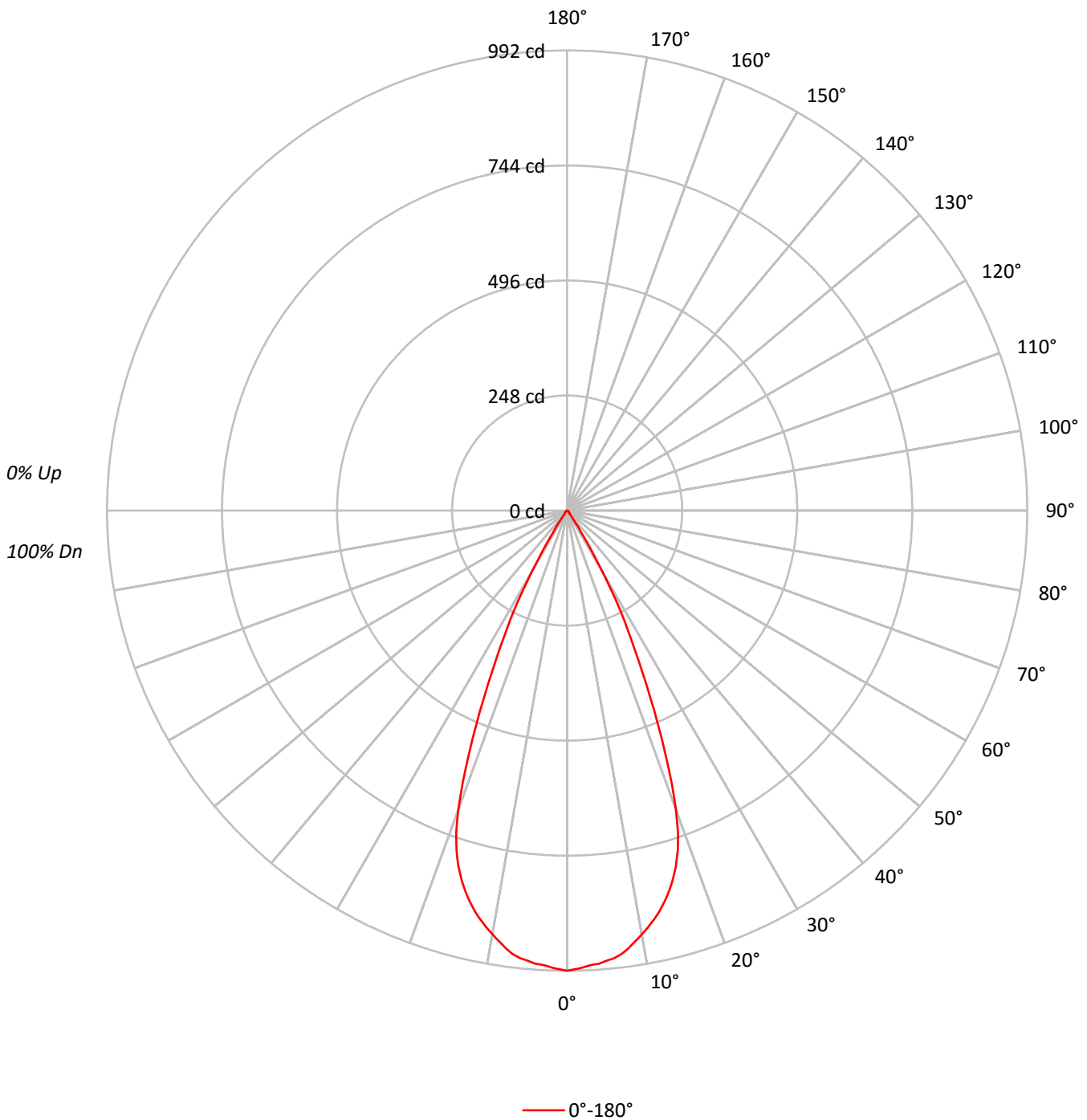
Input Watts (W): 24
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	96	93	104	99	95	92	96	93	90		94	91	89		92	90	88	86
4	101	95	90	87	100	94	90	86	92	88	85		90	87	84		88	86	84	82
5	97	91	86	82	96	90	85	82	88	84	81		86	83	80		85	82	80	78
6	94	86	81	78	92	86	81	78	84	80	77		83	79	77		82	79	76	75
7	90	82	78	74	89	82	77	74	81	77	73		80	76	73		79	75	73	72
8	87	79	74	71	86	78	74	70	77	73	70		76	73	70		76	72	70	68
9	84	76	71	67	83	75	71	67	74	70	67		74	70	67		73	69	67	66
10	81	73	68	65	80	72	68	64	71	67	64		71	67	64		70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217548
5°	214461
10°	206565
15°	192827
20°	160057
25°	92812
30°	37651
35°	5836
40°	2261
45°	1830
50°	1706
55°	1529
60°	877
65°	519
70°	641
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	17.1
10°-20°	233.5	43.5
20°-30°	177.1	33.0
30°-40°	25.6	4.8
40°-50°	4.7	0.9
50°-60°	3.2	0.6
60°-70°	1.1	0.2
70°-80°	0.1	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°	502.2	93.5
0°-40°	527.9	98.3
0°-60°	535.8	99.8
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	992	
5°	974	92
15°	849	234
25°	384	177
35°	22	26
45°	6	5
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	992.1
1°	989.1
2°	985.2
3°	981.2
4°	979.2
5°	974.3
6°	970.3
7°	963.4
8°	952.5
9°	939.6
10°	927.7
11°	914.8
12°	900.9
13°	886.1
14°	868.2
15°	849.4
16°	826.6
17°	801.8
18°	771.1
19°	734.4
20°	685.9
21°	628.4
22°	564.0
23°	501.5
24°	441.1
25°	383.6
26°	331.0
27°	286.4
28°	244.8
29°	194.3
30°	148.7
32.5°	64.4
35°	21.8
37.5°	8.9
40°	7.9
42.5°	6.9
45°	5.9
47.5°	5.0
50°	5.0
52.5°	4.0
55°	4.0
57.5°	3.0
60°	2.0
62.5°	1.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
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)