

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: P221158

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29556)
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-F-BK-LC2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, FLOOD 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: 557.8 lumens
Efficiency: N/A
Efficacy: 23.0 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.57
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

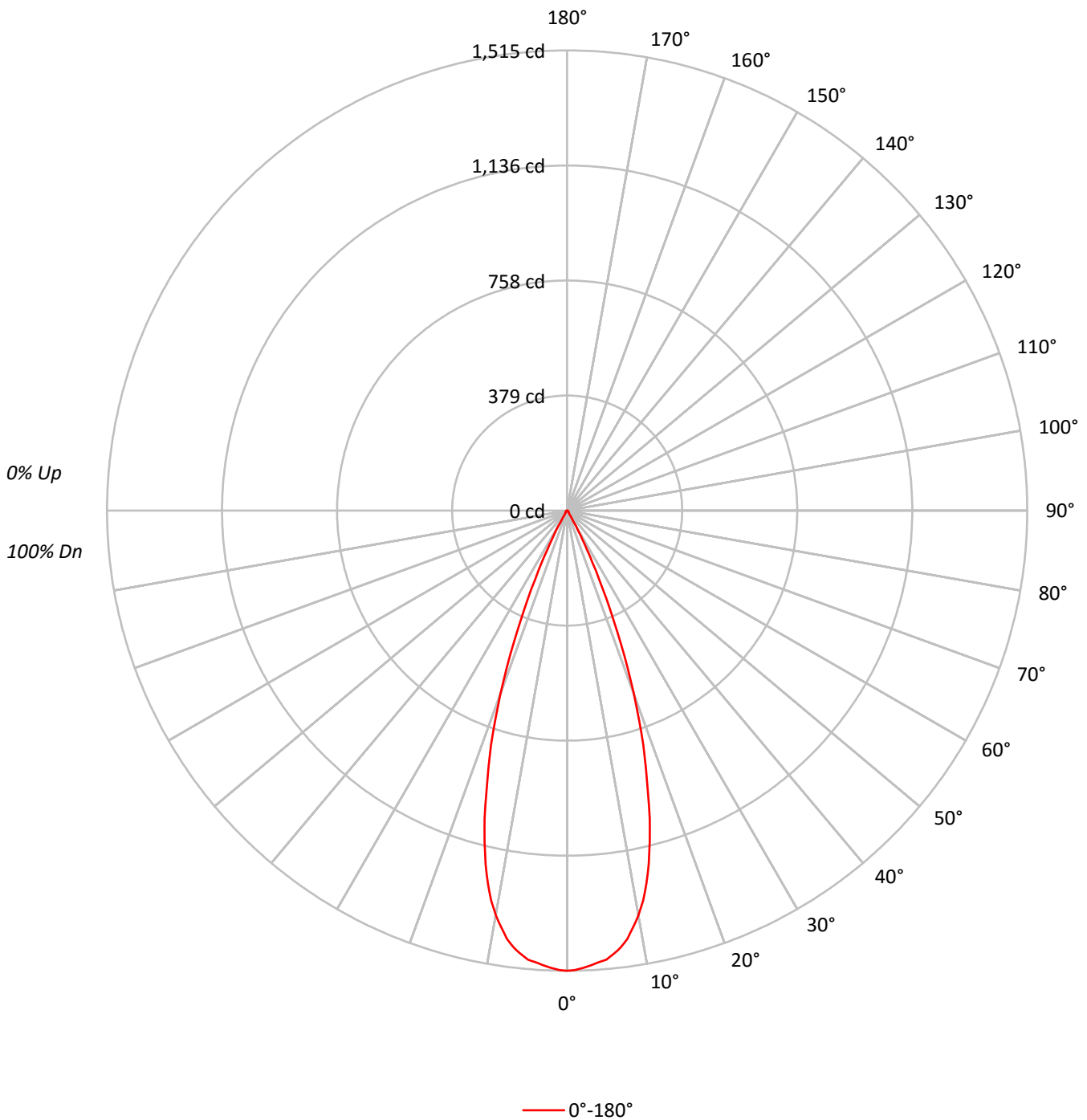
Input Watts (W): 24.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	94	92		94	92	90	89
4	103	98	93	90	102	97	93	90	95	91	89		93	90	88		91	89	87	85
5	100	94	89	86	98	93	89	86	91	88	85		90	87	84		88	86	84	82
6	97	90	86	82	95	89	85	82	88	84	82		87	83	81		85	83	81	79
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73		79	75	73		78	75	73	72
10	85	78	74	71	84	78	74	71	77	73	71		76	73	70		76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	332210
5°	326656
10°	301264
15°	238594
20°	149580
25°	60487
30°	10635
35°	2945
40°	1718
45°	1551
50°	1706
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°	137.6	24.7
10°-20°	281.4	50.5
20°-30°	122.8	22.0
30°-40°	8.5	1.5
40°-50°	4.2	0.7
50°-60°	2.3	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°	541.8	97.1
0°-40°	550.3	98.7
0°-60°	556.8	99.8
0°-90°	557.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1515	
5°	1484	138
15°	1051	281
25°	250	123
35°	11	8
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°	1515
1°	1513
2°	1507
3°	1499
4°	1491
5°	1484
6°	1467
7°	1449
8°	1424
9°	1389
10°	1353
11°	1309
12°	1255
13°	1195
14°	1123
15°	1051
16°	966
17°	886
18°	812
19°	727
20°	641
21°	555
22°	471
23°	389
24°	317
25°	250
26°	191
27°	143
28°	108
29°	75
30°	42
32.5°	14
35°	11
37.5°	7
40°	6
42.5°	5
45°	5
47.5°	6
50°	5
52.5°	3
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)