Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P221167

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LEDCW-M-WT-LC2-UNV**

Issue Date: 3/3/2020

Report Generated By E9808136 / USAU2WHP6039969

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Test Information

Test Method:	LM-79-08
Report Number:	P221167
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29559)
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]-FL-LEDCW-M-WT-LC2-UNV
Description:	LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD 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:	637.3 lumens
Efficiency:	N/A
Efficacy:	26.6 lumens/watt
Spacing Criteria (0/90/45):	0.5 / 0.5 / 0.51
Luminous Opening:	Circular (Dia: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	24
Input Voltage (V):	120
Input Current (Ain):	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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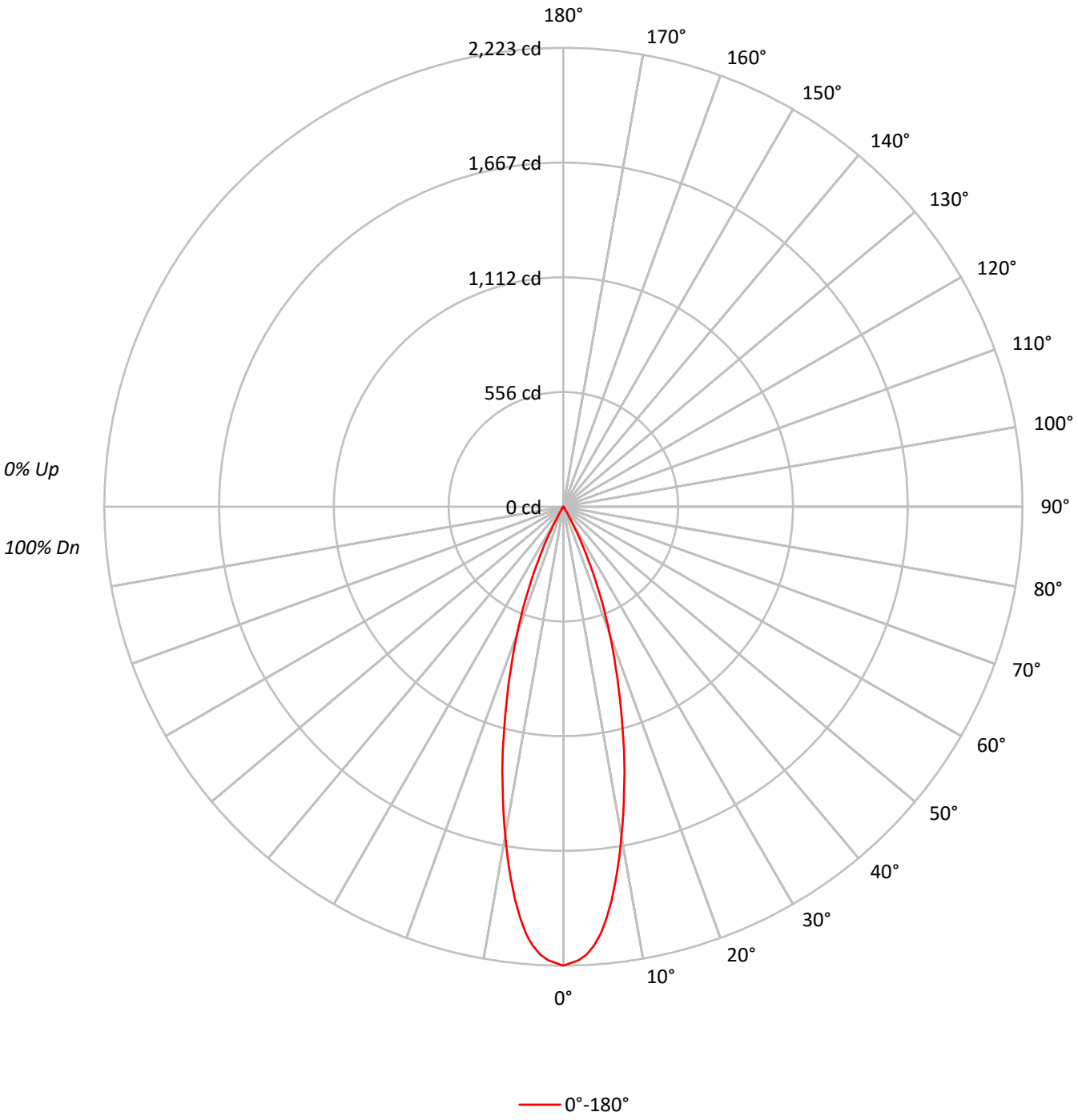
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	87	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	77	75	81	77	74	80	77	74	79	76	74	73
10	86	79	75	72	86	79	75	72	78	75	72	78	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	487483
5°	457054
10°	360603
15°	251102
20°	153103
25°	69536
30°	13800
35°	2918
40°	1431
45°	930
50°	682
55°	765
60°	877
65°	1038
70°	641
75°	847
80°	1263
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	28.7
10°-20°	302.0	47.4
20°-30°	135.1	21.2
30°-40°	10.0	1.6
40°-50°	2.4	0.4
50°-60°	1.8	0.3
60°-70°	1.6	0.3
70°-80°	1.1	0.2
80°-90°	0.4	0.1
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°	620.1	97.3
0°-40°	630.0	98.9
0°-60°	634.2	99.5
0°-90°	637.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2223	
5°	2076	183
15°	1106	302
25°	287	135
35°	11	10
45°	3	2
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2223.1
1°	2210.2
2°	2197.3
3°	2171.6
4°	2130.9
5°	2076.4
6°	2003.1
7°	1919.8
8°	1823.7
9°	1722.6
10°	1619.5
11°	1516.4
12°	1412.4
13°	1315.2
14°	1211.2
15°	1106.1
16°	1007.0
17°	912.8
18°	822.6
19°	737.4
20°	656.1
21°	577.8
22°	500.5
23°	425.2
24°	354.8
25°	287.4
26°	228.0
27°	172.5
28°	123.9
29°	84.2
30°	54.5
32.5°	17.8
35°	10.9
37.5°	7.9
40°	5.0
42.5°	4.0
45°	3.0
47.5°	2.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	2.0
60°	2.0
62.5°	2.0
65°	2.0

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*1.0*
70°	*1.0*
72.5°	*1.0*
75°	*1.0*
77.5°	*1.0*
80°	*1.0*
82.5°	*1.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)