

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: P29471

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4080-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29471
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]-LED4080-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1701.7 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

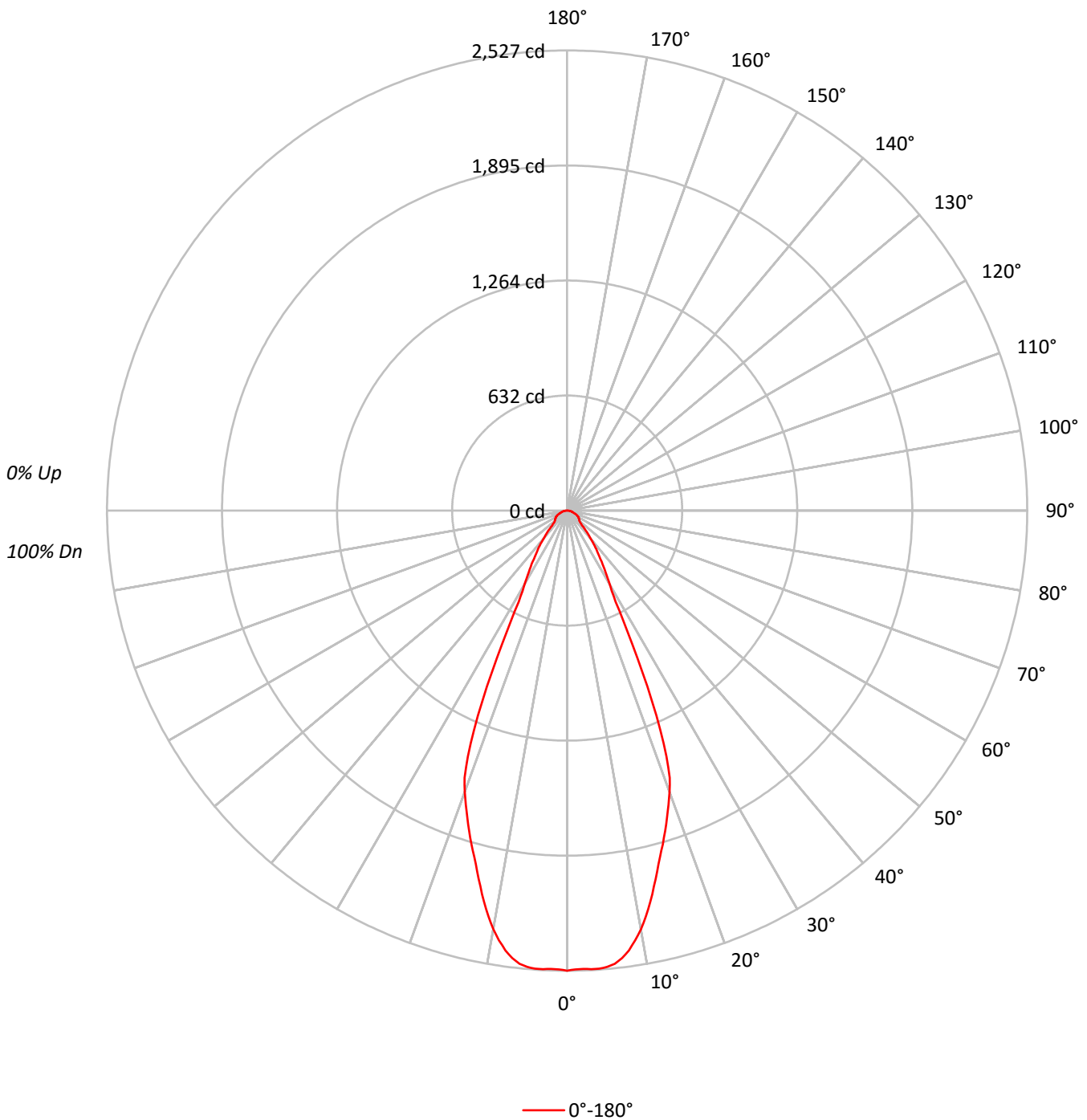
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	554122
5°	553818
10°	519696
15°	446995
20°	383867
25°	236385
30°	117993
35°	82717
40°	57536
45°	36903
50°	30020
55°	30584
60°	31138
65°	30094
70°	26928
75°	25417
80°	27781
85°	27676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	13.8
10°-20°	551.0	32.4
20°-30°	447.2	26.3
30°-40°	197.8	11.6
40°-50°	99.1	5.8
50°-60°	71.3	4.2
60°-70°	56.5	3.3
70°-80°	32.2	1.9
80°-90°	12.0	0.7
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°	1232.9	72.4
0°-40°	1430.6	84.1
0°-60°	1601.0	94.1
0°-90°	1701.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1701.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2527	
5°	2516	235
15°	1969	551
25°	977	447
35°	309	198
45°	119	99
55°	80	71
65°	58	57
75°	30	32
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2527
1°	2520
2°	2518
3°	2522
4°	2522
5°	2516
6°	2503
7°	2477
8°	2439
9°	2390
10°	2334
11°	2269
12°	2197
13°	2119
14°	2042
15°	1969
16°	1906
17°	1840
18°	1774
19°	1708
20°	1645
21°	1572
22°	1457
23°	1309
24°	1147
25°	977
26°	817
27°	675
28°	567
29°	505
30°	466
32.5°	382
35°	309
37.5°	255
40°	201
42.5°	159
45°	119
47.5°	96
50°	88
52.5°	84
55°	80
57.5°	75
60°	71
62.5°	65
65°	58



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	49
70°	42
72.5°	34
75°	30
77.5°	26
80°	22
82.5°	17
85°	11
87.5°	5
90°	0

(END OF REPORT)