

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: P29477

Luminaire Tested: **1003-[A1, S1, SU1]-FL-LED4080-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29477
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-LED4080-M-BK-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1623.1 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

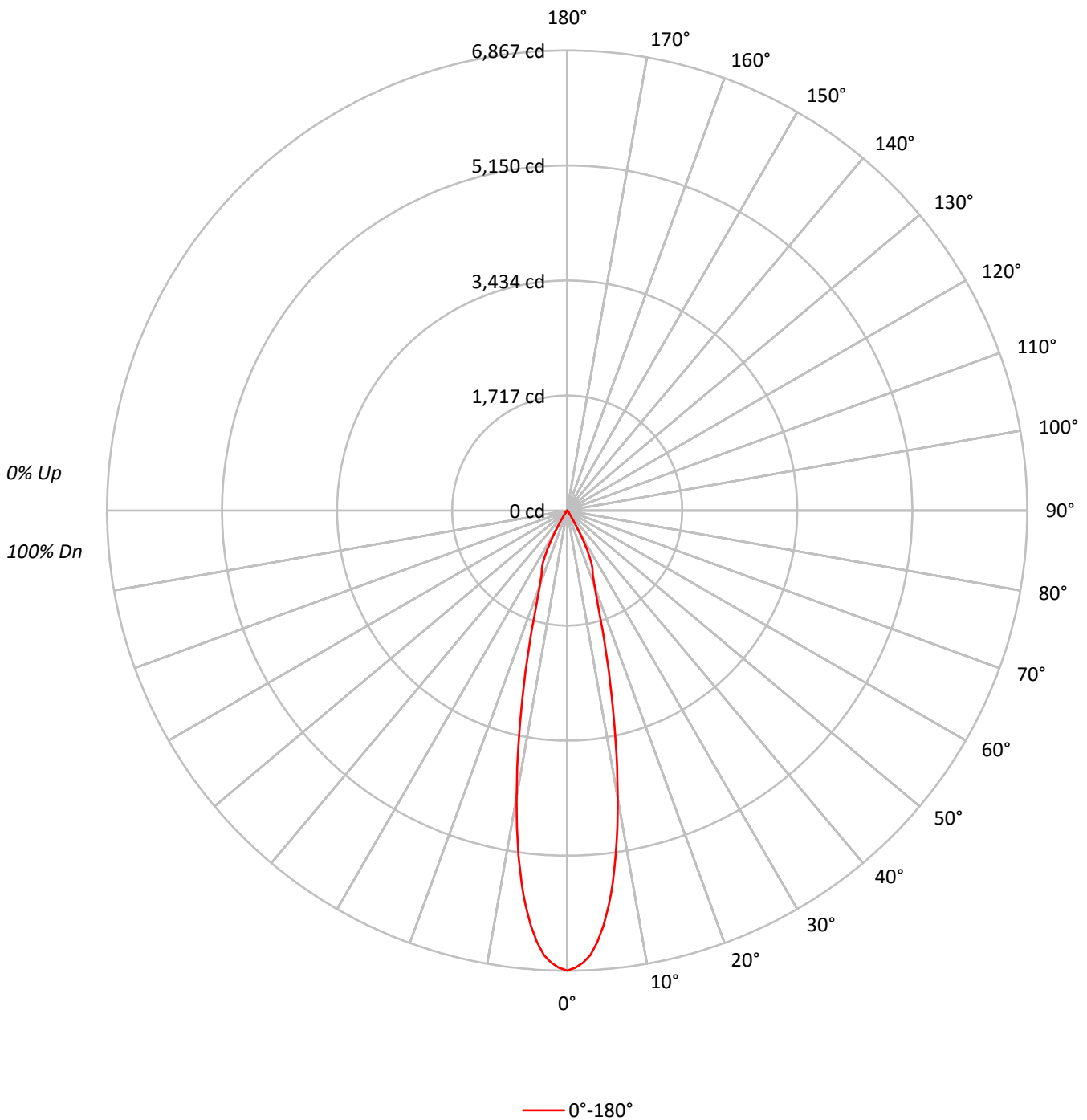
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	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	98	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	82	87	84	82	86	84	81	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	78	75	81	77	75	80	77	74	79	76	74	73																
10	86	79	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1505800
5°	1368255
10°	967027
15°	522591
20°	277924
25°	204447
30°	82544
35°	15794
40°	8301
45°	3721
50°	3070
55°	2676
60°	2193
65°	2075
70°	1923
75°	1694
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.6	32.8
10°-20°	649.7	40.0
20°-30°	357.6	22.0
30°-40°	59.3	3.7
40°-50°	10.9	0.7
50°-60°	6.2	0.4
60°-70°	4.0	0.2
70°-80°	2.1	0.1
80°-90°	0.7	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°	1540.0	94.9
0°-40°	1599.3	98.5
0°-60°	1616.4	99.6
0°-90°	1623.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1623.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6867	
5°	6216	533
15°	2302	650
25°	845	358
35°	59	59
45°	12	11
55°	7	6
65°	4	4
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6867
1°	6825
2°	6754
3°	6642
4°	6452
5°	6216
6°	5931
7°	5592
8°	5206
9°	4783
10°	4343
11°	3899
12°	3463
13°	3046
14°	2661
15°	2302
16°	1992
17°	1713
18°	1495
19°	1321
20°	1191
21°	1092
22°	1020
23°	969
24°	918
25°	845
26°	754
27°	652
28°	541
29°	432
30°	326
32.5°	118
35°	59
37.5°	42
40°	29
42.5°	15
45°	12
47.5°	11
50°	9
52.5°	8
55°	7
57.5°	6
60°	5
62.5°	5
65°	4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	3
72.5°	2
75°	2
77.5°	2
80°	1
82.5°	1
85°	1
87.5°	0
90°	0

(END OF REPORT)