

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: P246950

Luminaire Tested: **203-FL-8LED3010-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246950
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED3010-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
FLUSH HOOD BLACK
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-10D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

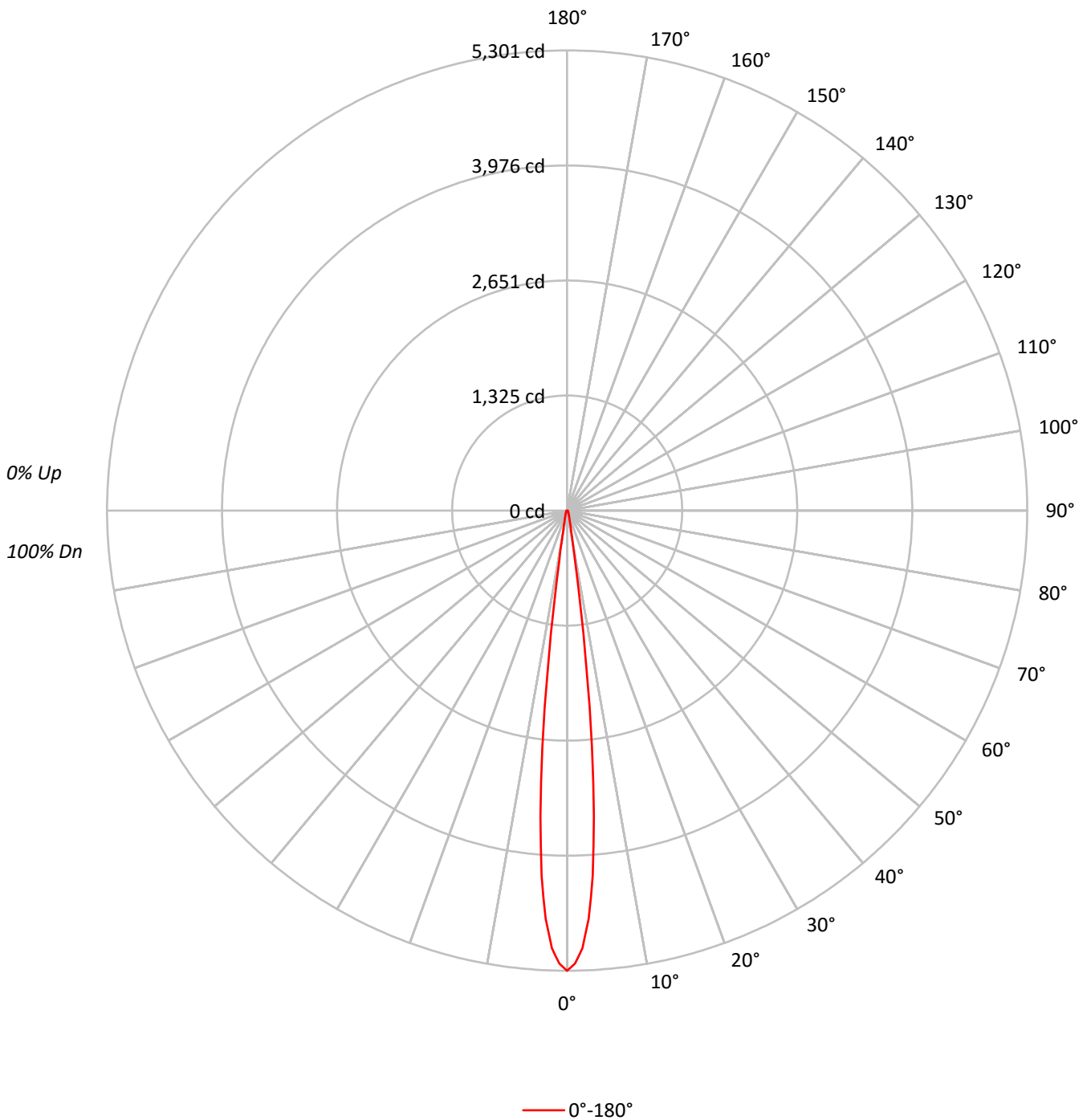
Lumens per Lamp: N/A
Luminaire Lumens: 311.4 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): NR
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			
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	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99		100	98	96		97	96	94	93
3	108	103	99	97	106	102	98	96	99	97	94		97	95	93		95	93	91	90
4	105	99	95	93	103	98	95	92	96	93	91		95	92	90		93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88		92	90	88		91	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86		91	88	86		89	87	85	84
7	98	92	88	85	97	91	87	85	90	87	84		89	86	84		88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83		88	85	83		87	84	82	82
9	94	88	85	82	93	88	84	82	87	84	82		86	84	82		86	83	81	80
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2615504
5°	1750511
10°	175447
15°	54347
20°	33498
25°	20251
30°	15154
35°	13853
40°	13139
45°	11722
50°	11590
55°	10666
60°	8782
65°	8289
70°	7645
75°	5147
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	67.4
10°-20°	34.7	11.1
20°-30°	18.2	5.9
30°-40°	14.3	4.6
40°-50°	13.3	4.3
50°-60°	10.8	3.5
60°-70°	7.0	2.3
70°-80°	2.9	0.9
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°	262.6	84.3
0°-40°	277.0	88.9
0°-60°	301.1	96.7
0°-90°	311.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5301	
5°	3534	210
15°	106	35
25°	37	18
35°	23	14
45°	17	13
55°	12	11
65°	7	7
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5301.2
1°	5219.7
2°	5042.4
3°	4713.5
4°	4217.1
5°	3534.5
6°	2738.4
7°	1813.8
8°	1051.4
9°	582.4
10°	350.2
11°	244.7
12°	186.2
13°	149.8
14°	125.0
15°	106.4
17.5°	78.0
20°	63.8
22.5°	49.6
25°	37.2
27.5°	30.1
30°	26.6
32.5°	23.9
35°	23.0
37.5°	21.3
40°	20.4
42.5°	18.6
45°	16.8
47.5°	16.0
50°	15.1
52.5°	14.2
55°	12.4
57.5°	9.8
60°	8.9
62.5°	8.0
65°	7.1
67.5°	6.2
70°	5.3
72.5°	3.5
75°	2.7
77.5°	1.8
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)