

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: P246964

Luminaire Tested: **203-FL-8LED3036-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246964
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-23)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED3036-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
FLUSH HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

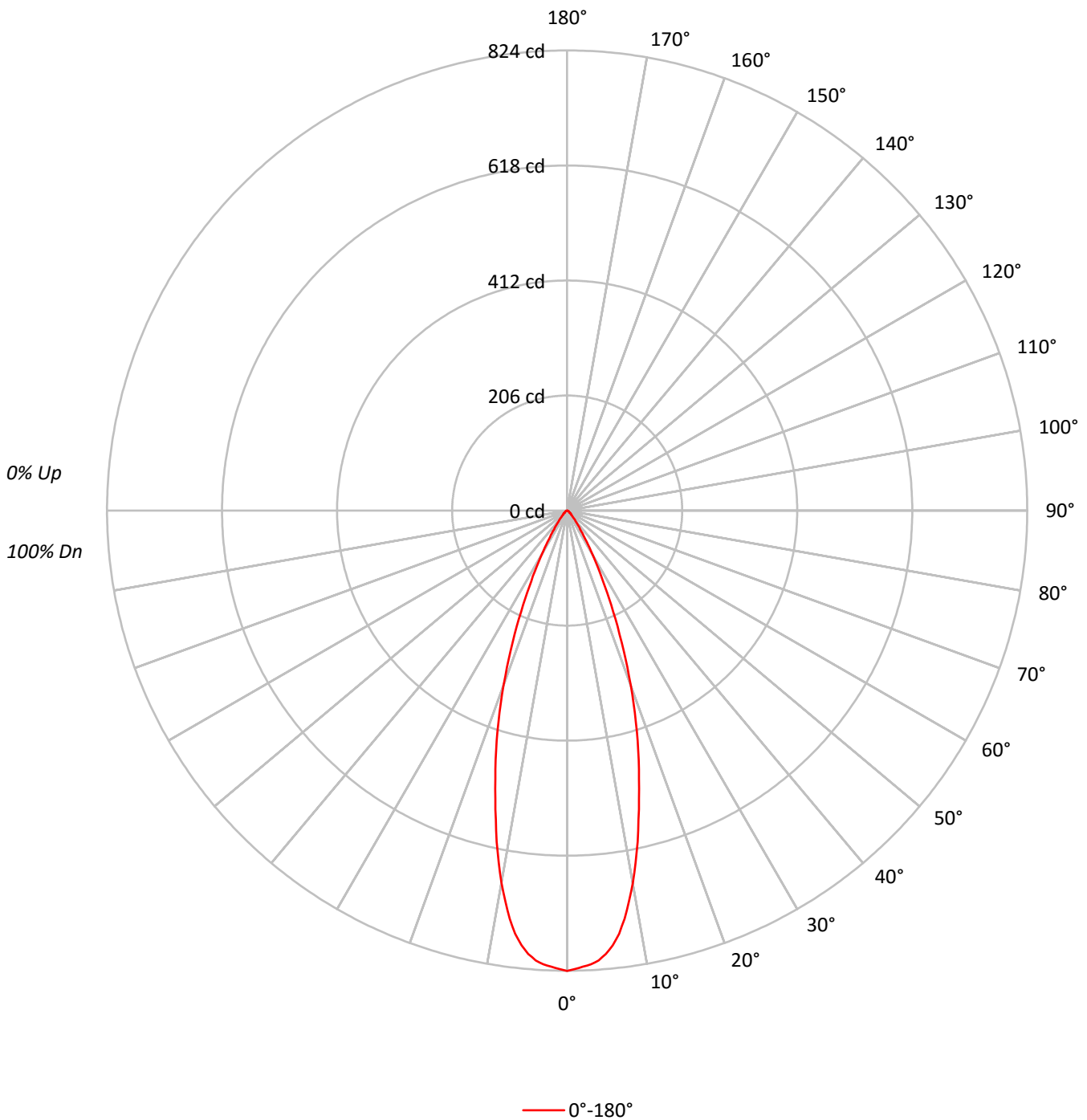
Lumens per Lamp: N/A
Luminaire Lumens: 340.7 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.58
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
Input Voltage (V): NR
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96		97	95	94		95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90		93	91	88		91	89	87	86
4	101	94	90	86	99	93	89	86	91	88	85		89	86	84		88	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84	81	79	78
6	93	86	81	77	92	85	80	77	84	79	76		82	79	76		81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73		79	75	72		78	75	72	71
8	86	78	73	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	80	72	67	64	71	67	64		71	67	64		70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406742
5°	394726
10°	339321
15°	254013
20°	174524
25°	101364
30°	50989
35°	24574
40°	12559
45°	7396
50°	5450
55°	3785
60°	3454
65°	3152
70°	2597
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	21.2
10°-20°	136.8	40.1
20°-30°	87.0	25.5
30°-40°	27.9	8.2
40°-50°	9.0	2.6
50°-60°	4.1	1.2
60°-70°	2.4	0.7
70°-80°	1.1	0.3
80°-90°	0.1	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°	296.1	86.9
0°-40°	324.0	95.1
0°-60°	337.1	98.9
0°-90°	340.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	340.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	797	72
15°	497	137
25°	186	87
35°	41	28
45°	11	9
55°	4	4
65°	3	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	824.4
1°	820.9
2°	817.3
3°	813.8
4°	807.6
5°	797.0
6°	782.8
7°	763.3
8°	738.4
9°	708.3
10°	677.3
11°	641.8
12°	606.4
13°	568.2
14°	531.9
15°	497.3
16°	464.5
17°	431.7
18°	398.9
19°	365.2
20°	332.4
21°	300.5
22°	271.3
23°	240.2
24°	212.8
25°	186.2
26°	163.1
27°	141.8
28°	123.2
29°	105.5
30°	89.5
32.5°	60.3
35°	40.8
37.5°	27.5
40°	19.5
42.5°	14.2
45°	10.6
47.5°	8.9
50°	7.1
52.5°	5.3
55°	4.4
57.5°	3.5
60°	3.5
62.5°	2.7
65°	2.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.8
70°	1.8
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)