

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: P247007

Luminaire Tested: **203-FL-8LED2736-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247007
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-8LED2736-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, FLUSH HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

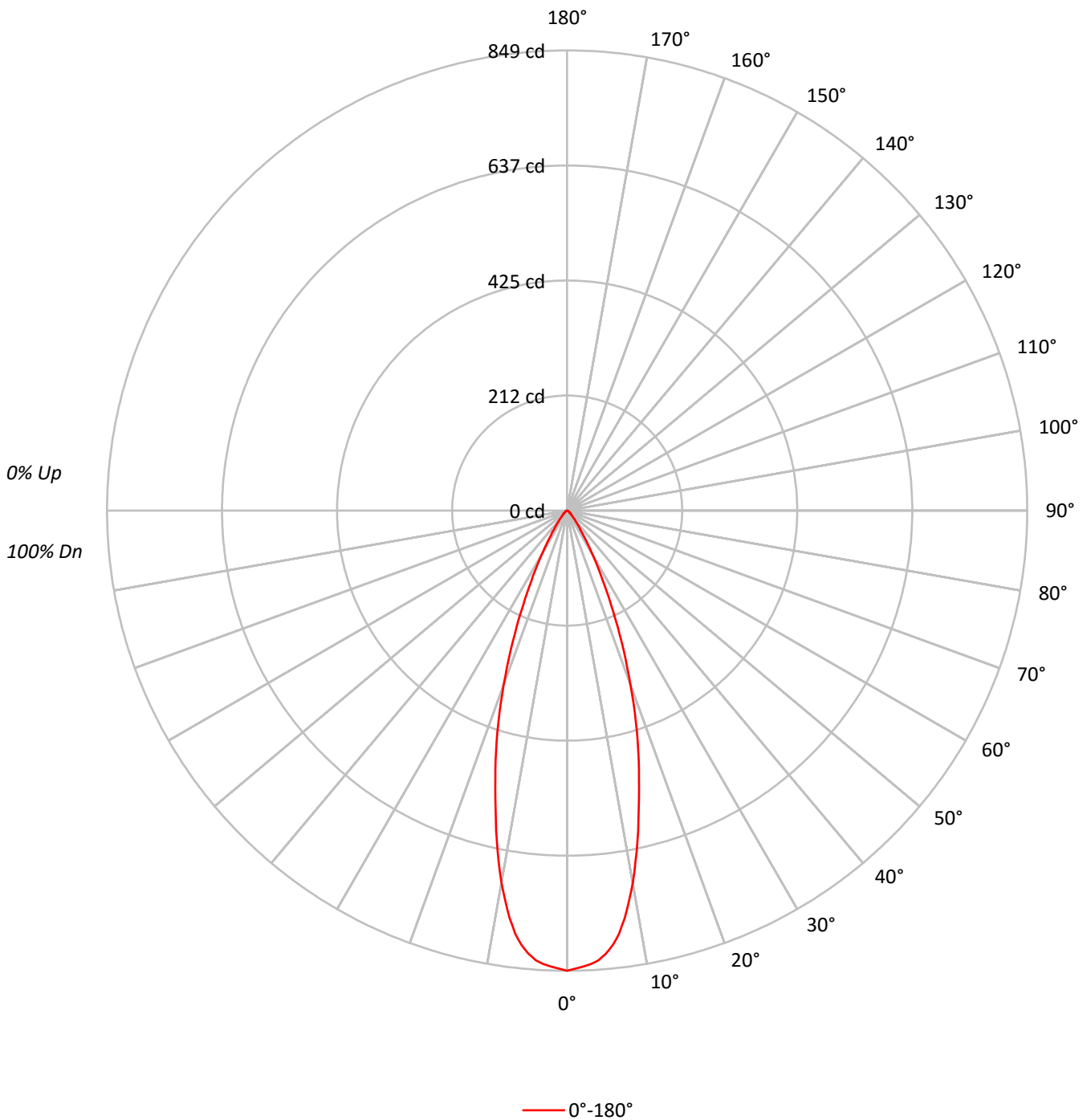
Lumens per Lamp: N/A
Luminaire Lumens: 350.8 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.58
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	77	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°	418879
5°	406463
10°	349391
15°	261573
20°	179722
25°	104358
30°	52527
35°	25297
40°	12946
45°	7675
50°	5603
55°	3957
60°	3651
65°	3152
70°	2597
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	21.2
10°-20°	140.9	40.1
20°-30°	89.6	25.5
30°-40°	28.7	8.2
40°-50°	9.2	2.6
50°-60°	4.3	1.2
60°-70°	2.5	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°	304.9	86.9
0°-40°	333.6	95.1
0°-60°	347.2	99.0
0°-90°	350.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	849	
5°	821	74
15°	512	141
25°	192	90
35°	42	29
45°	11	9
55°	5	4
65°	3	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	849.0
1°	845.3
2°	841.7
3°	838.0
4°	831.6
5°	820.7
6°	806.1
7°	786.0
8°	760.4
9°	729.4
10°	697.4
11°	660.9
12°	624.4
13°	585.2
14°	547.7
15°	512.1
16°	478.4
17°	444.6
18°	410.8
19°	376.1
20°	342.3
21°	309.5
22°	279.3
23°	247.4
24°	219.1
25°	191.7
26°	168.0
27°	146.1
28°	126.9
29°	108.6
30°	92.2
32.5°	62.1
35°	42.0
37.5°	28.3
40°	20.1
42.5°	14.6
45°	11.0
47.5°	9.1
50°	7.3
52.5°	5.5
55°	4.6
57.5°	3.7
60°	3.7
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)