

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: P247003

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247003
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-3)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
FLUSH HOOD BLACK
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: 373.5 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

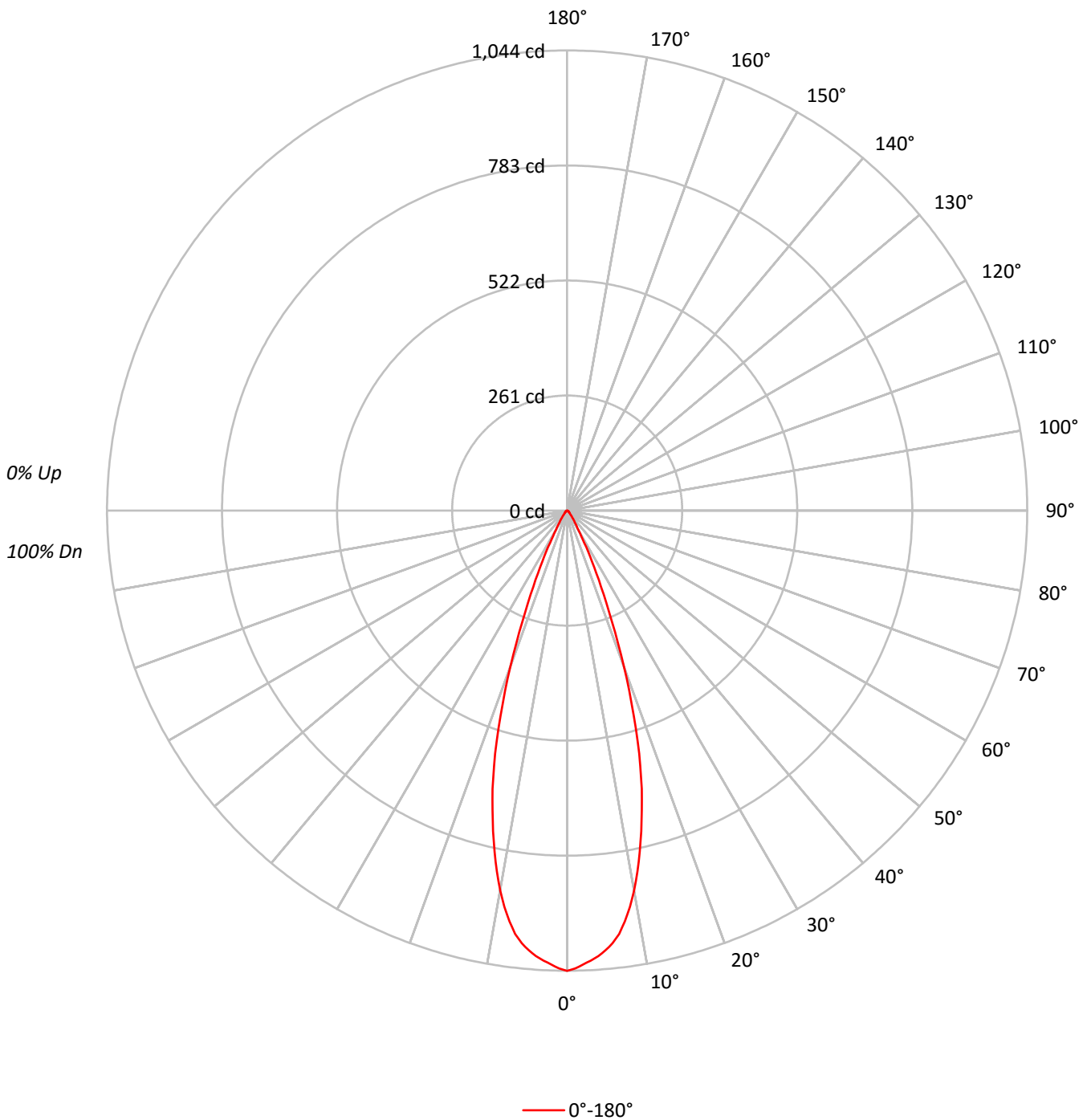
Input Watts (W): 7.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96				96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91				91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	91	89	87				87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84				84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80				80
6	95	88	84	80	94	88	83	80	86	82	79	85	82	79	84	81	78	77				77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74				74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72				72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69				69
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67				67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	515236
5°	495958
10°	438617
15°	333848
20°	196996
25°	85468
30°	30137
35°	14817
40°	8244
45°	5094
50°	4222
55°	3183
60°	3651
65°	3152
70°	2597
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	24.6
10°-20°	174.5	46.7
20°-30°	77.0	20.6
30°-40°	16.6	4.4
40°-50°	6.1	1.6
50°-60°	3.7	1.0
60°-70°	2.7	0.7
70°-80°	1.2	0.3
80°-90°	0.0	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°	343.2	91.9
0°-40°	359.8	96.3
0°-60°	369.7	99.0
0°-90°	373.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1044	
5°	1001	92
15°	654	174
25°	157	77
35°	25	17
45°	7	6
55°	4	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1044.3
1°	1038.9
2°	1030.6
3°	1022.4
4°	1013.3
5°	1001.4
6°	986.8
7°	967.7
8°	941.2
9°	910.1
10°	875.5
11°	834.4
12°	791.5
13°	746.7
14°	700.2
15°	653.6
16°	602.5
17°	547.7
18°	490.2
19°	431.8
20°	375.2
21°	321.3
22°	272.0
23°	227.3
24°	189.0
25°	157.0
26°	128.7
27°	104.1
28°	83.1
29°	65.7
30°	52.9
32.5°	33.8
35°	24.6
37.5°	17.3
40°	12.8
42.5°	9.1
45°	7.3
47.5°	6.4
50°	5.5
52.5°	4.6
55°	3.7
57.5°	3.7
60°	3.7
62.5°	2.7
65°	2.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.7
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)