

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: P277776

Luminaire Tested: **203-SS-8LED3036-12-CS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277776  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-9)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3036-12-CS  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER  
Light Source: (1) SORAA 3000K 90 CRI LED SM16-07-36D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 659.0 lumens  
Efficiency: N/A  
Efficacy: 43.4 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.54  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

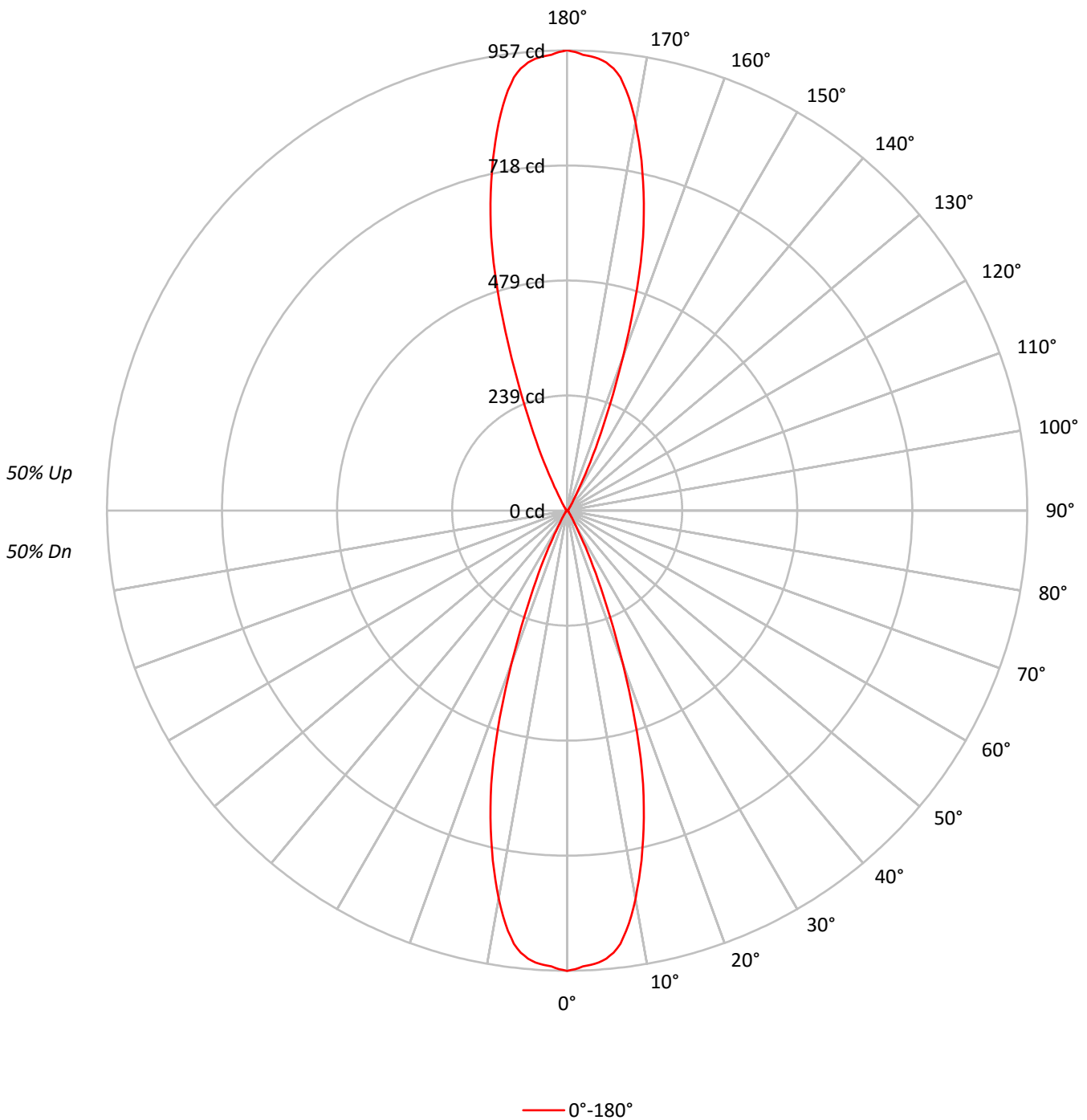
Input Watts (W): 15.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	101	98	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	77	72	70	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	68	64	62	59	56	55	50	49	48	44				
4	84	76	71	66	79	72	67	63	64	60	57	56	53	51	48	47	46	43				
5	80	71	65	61	74	67	62	58	60	56	53	53	51	49	47	45	44	41				
6	76	67	61	57	71	63	58	54	57	53	50	51	48	46	45	43	42	40				
7	72	63	57	53	68	60	55	51	54	50	47	49	46	44	43	42	40	38				
8	68	59	54	50	64	57	52	48	51	48	45	47	44	42	42	40	39	37				
9	65	56	51	47	62	54	49	45	49	45	43	45	42	40	41	39	37	36				
10	63	53	48	44	59	51	46	43	47	43	41	43	40	38	39	38	36	35				

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	472362
5°	463221
10°	410362
15°	313775
20°	177360
25°	69518
30°	18686
35°	8011
40°	4573
45°	3070
50°	2686
55°	3011
60°	1776
65°	1051
70°	1298
75°	1716
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.7	13.0
10°-20°	162.8	24.7
20°-30°	62.9	9.5
30°-40°	9.7	1.5
40°-50°	3.7	0.6
50°-60°	2.8	0.4
60°-70°	1.2	0.2
70°-80°	0.6	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.1
110°-120°	1.2	0.2
120°-130°	2.8	0.4
130°-140°	3.7	0.6
140°-150°	9.7	1.5
150°-160°	62.9	9.5
160°-170°	162.8	24.7
170°-180°	85.7	13.0
0°-30°	311.5	47.3
0°-40°	321.2	48.7
0°-60°	327.7	49.7
0°-90°	329.5	50.0
90°-120°	1.8	0.3
90°-150°	18.0	2.7
90°-180°	329.0	49.9
0°-180°	659.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	957	
5°	935	86
15°	614	163
25°	128	63
35°	13	10
45°	4	4
55°	4	3
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	4	3
135°	4	4
145°	13	10
155°	128	63
165°	614	163
175°	935	86
180°	957	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	957.4
1°	953.9
2°	948.5
3°	945.9
4°	942.3
5°	935.3
6°	924.6
7°	907.8
8°	882.9
9°	853.7
10°	819.1
11°	781.9
12°	743.8
13°	702.1
14°	658.7
15°	614.3
16°	565.6
17°	511.5
18°	453.0
19°	394.5
20°	337.8
21°	283.7
22°	235.8
23°	193.3
24°	158.7
25°	127.7
26°	96.6
27°	73.6
28°	55.8
29°	42.6
30°	32.8
32.5°	20.4
35°	13.3
37.5°	9.8
40°	7.1
42.5°	5.3
45°	4.4
47.5°	4.4
50°	3.5
52.5°	3.5
55°	3.5
57.5°	2.7
60°	1.8
62.5°	1.8
65°	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	0.9
117.5°	1.8
120°	1.8
122.5°	2.7
125°	3.5
127.5°	3.5
130°	3.5
132.5°	4.4
135°	4.4
137.5°	5.3
140°	7.1
142.5°	9.8
145°	13.3
147.5°	20.4
150°	32.8
151°	42.6
152°	55.8
153°	73.6
154°	96.6
155°	127.7
156°	158.7
157°	193.3
158°	235.8
159°	283.7
160°	337.8
161°	394.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	453.0
163°	511.5
164°	565.6
165°	614.3
166°	658.7
167°	702.1
168°	743.8
169°	781.9
170°	819.1
171°	853.7
172°	882.9
173°	907.8
174°	924.6
175°	935.3
176°	942.3
177°	945.9
178°	948.5
179°	953.9
180°	957.4

(END OF REPORT)