

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: P277806

Luminaire Tested: **203-SS-8LED4036-12-CS**

Test Date: 04/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277806  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-9)  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 04/05/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED4036-12-CS  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER  
Light Source: (1) SORAA 4000K 90 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 743.3 lumens  
Efficiency: N/A  
Efficacy: 48.9 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

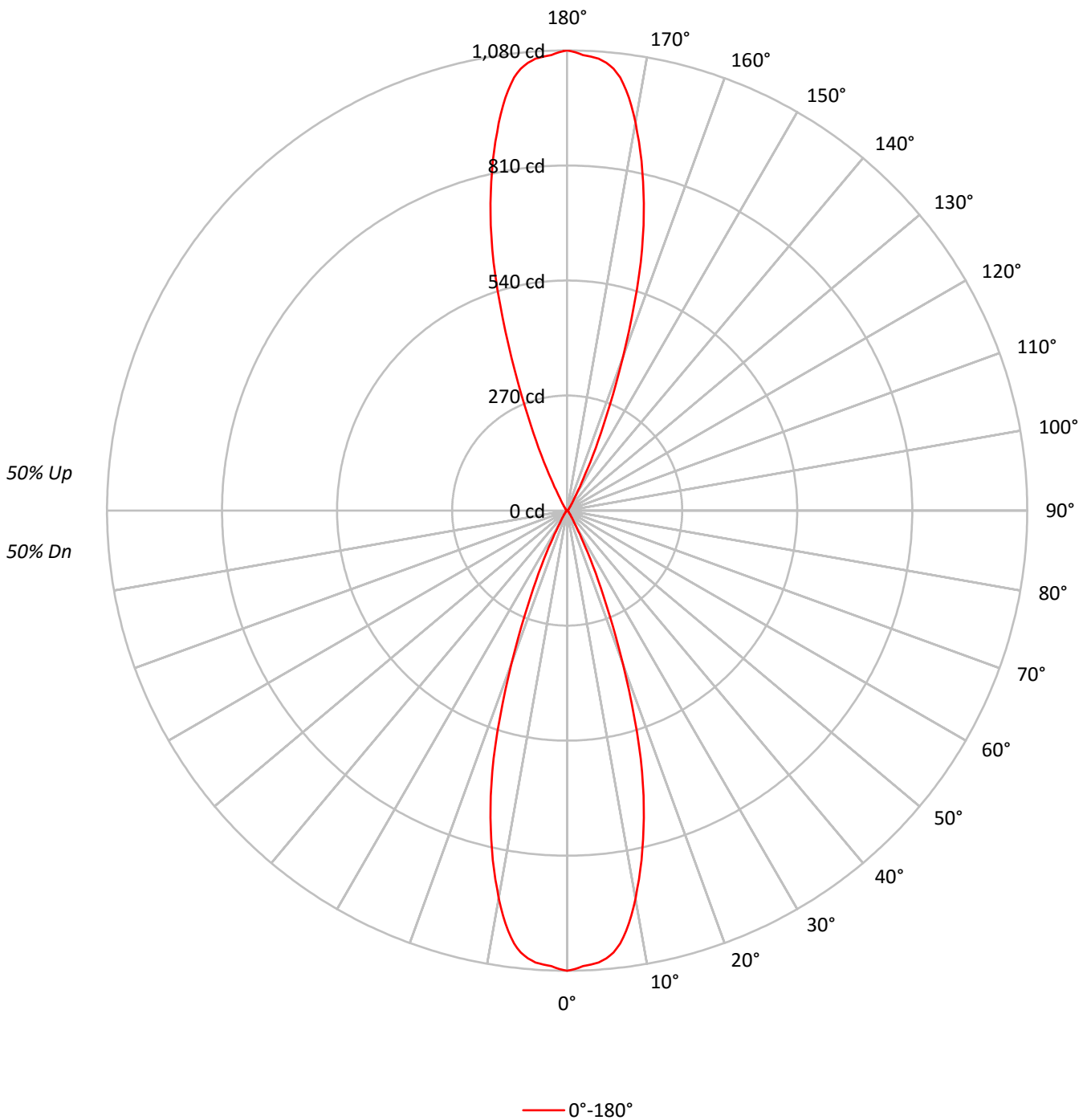
Input Watts (W): 15.2  
Input Voltage (V): 12.0  
Input Current (A<sub>in</sub>): 0.667  
Voltage Rise (V): NR  
Power Factor: 0.9902  
Total Harmonic Distortion (THDi): 27.4%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.3  
Test Distance: 25 FT



TEST NUMBER: P277806

CATALOG NUMBER: 203-SS-8LED4036-12-CS

### Luminous Intensity Polar Plot





TEST NUMBER: P277806

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**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	75	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°	532850
5°	522504
10°	462915
15°	353973
20°	200042
25°	78391
30°	21079
35°	9035
40°	5152
45°	3489
50°	3070
55°	3441
60°	1974
65°	1167
70°	1443
75°	1906
80°	0
85°	0



TEST NUMBER: P277806

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	13.0
10°-20°	183.7	24.7
20°-30°	71.0	9.5
30°-40°	10.9	1.5
40°-50°	4.2	0.6
50°-60°	3.1	0.4
60°-70°	1.4	0.2
70°-80°	0.7	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.1
110°-120°	1.4	0.2
120°-130°	3.1	0.4
130°-140°	4.2	0.6
140°-150°	10.9	1.5
150°-160°	71.0	9.5
160°-170°	183.7	24.7
170°-180°	96.7	13.0
0°-30°	351.4	47.3
0°-40°	362.3	48.7
0°-60°	369.6	49.7
0°-90°	371.7	50.0
90°-120°	2.0	0.3
90°-150°	20.3	2.7
90°-180°	372.0	50.0
0°-180°	743.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1080	
5°	1055	97
15°	693	184
25°	144	71
35°	15	11
45°	5	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°	5	4
145°	15	11
155°	144	71
165°	693	184
175°	1055	97
180°	1080	

TEST NUMBER: P277806

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1080
1°	1076
2°	1070
3°	1067
4°	1063
5°	1055
6°	1043
7°	1024
8°	996
9°	963
10°	924
11°	882
12°	839
13°	792
14°	743
15°	693
16°	638
17°	577
18°	511
19°	445
20°	381
21°	320
22°	266
23°	218
24°	179
25°	144
26°	109
27°	83
28°	63
29°	48
30°	37
32.5°	23
35°	15
37.5°	11
40°	8
42.5°	6
45°	5
47.5°	5
50°	4
52.5°	4
55°	4
57.5°	3
60°	2
62.5°	2
65°	1



TEST NUMBER: P277806

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	1
107.5°	1
110°	1
112.5°	1
115°	1
117.5°	2
120°	2
122.5°	3
125°	4
127.5°	4
130°	4
132.5°	5
135°	5
137.5°	6
140°	8
142.5°	11
145°	15
147.5°	23
150°	37
151°	48
152°	63
153°	83
154°	109
155°	144
156°	179
157°	218
158°	266
159°	320
160°	381
161°	445



TEST NUMBER: P277806

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**CANDELA DISTRIBUTION (continued):**

	0°
162°	511
163°	577
164°	638
165°	693
166°	743
167°	792
168°	839
169°	882
170°	924
171°	963
172°	996
173°	1024
174°	1043
175°	1055
176°	1063
177°	1067
178°	1070
179°	1076
180°	1080

(END OF REPORT)