

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: P277750

Luminaire Tested: **203-SS-8LED2736-12-CS-OSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277750  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED2736-12-CS-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS  
Light Source: (1) SORAA 2700K 90 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

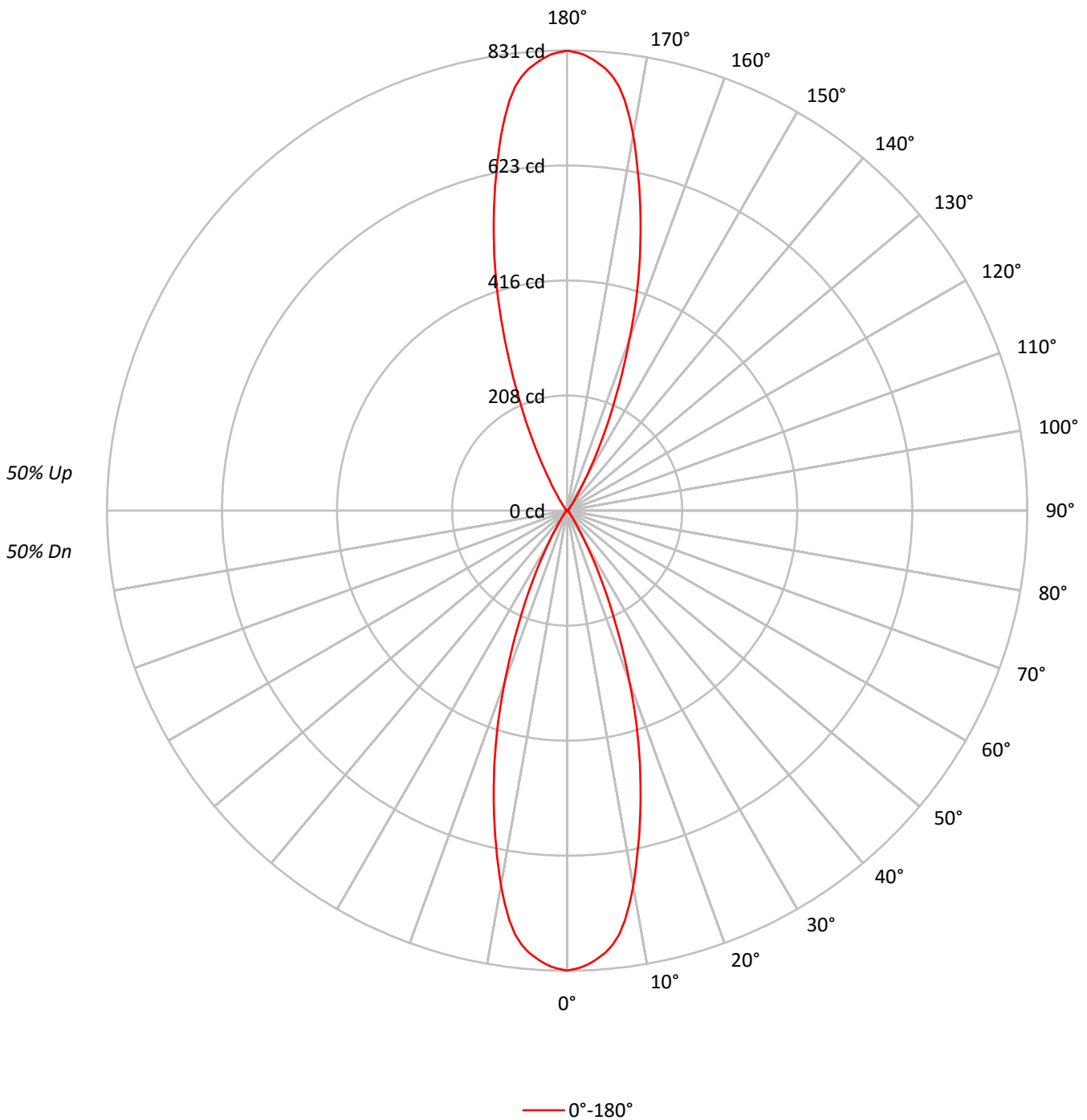
Lumens per Lamp: N/A  
Luminaire Lumens: 636.4 lumens  
Efficiency: N/A  
Efficacy: 41.6 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: P277750  
CATALOG NUMBER: 203-SS-8LED2736-12-CS-OSL

### Luminous Intensity Polar Plot





TEST NUMBER: P277750

CATALOG NUMBER: 203-SS-8LED2736-12-CS-OSL

**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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	53	53	48				
2	94	89	85	81	87	83	79	76	72	69	67	61	60	58	52	51	50	46				
3	89	82	77	72	83	77	72	68	67	64	61	58	56	54	50	48	47	43				
4	84	76	70	65	78	71	66	62	63	59	56	55	52	50	48	46	45	42				
5	79	70	64	60	74	66	61	57	59	55	52	52	50	47	46	44	43	40				
6	75	66	60	55	70	62	57	53	56	52	49	50	47	45	44	42	41	38				
7	71	62	56	51	67	59	53	50	53	49	46	47	45	42	42	40	39	37				
8	67	58	52	48	63	55	50	46	50	46	43	45	42	40	41	39	37	35				
9	64	55	49	45	61	52	47	44	48	44	41	43	40	38	39	37	36	34				
10	61	52	46	43	58	50	45	41	46	42	39	42	39	37	38	36	34	33				

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

	0°
0°	409850
5°	396509
10°	344381
15°	261573
20°	173054
25°	93416
30°	36917
35°	13190
40°	6441
45°	3838
50°	2840
55°	2322
60°	1776
65°	2101
70°	1298
75°	1716
80°	0
85°	0



TEST NUMBER: P277750

CATALOG NUMBER: 203-SS-8LED2736-12-CS-OSL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.0	11.5
10°-20°	139.4	21.9
20°-30°	79.8	12.5
30°-40°	16.4	2.6
40°-50°	4.6	0.7
50°-60°	2.6	0.4
60°-70°	1.4	0.2
70°-80°	0.8	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.8	0.1
110°-120°	1.4	0.2
120°-130°	2.6	0.4
130°-140°	4.6	0.7
140°-150°	16.4	2.6
150°-160°	79.8	12.5
160°-170°	139.4	21.9
170°-180°	73.0	11.5
0°-30°	292.2	45.9
0°-40°	308.6	48.5
0°-60°	315.9	49.6
0°-90°	318.2	50.0
90°-120°	2.3	0.4
90°-150°	26.0	4.1
90°-180°	318.0	50.0
0°-180°	636.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	831	
5°	801	73
15°	512	139
25°	172	80
35°	22	16
45°	6	5
55°	3	3
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	3	3
135°	6	5
145°	22	16
155°	172	80
165°	512	139
175°	801	73
180°	831	



TEST NUMBER: P277750

CATALOG NUMBER: 203-SS-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	830.7
1°	828.0
2°	824.3
3°	817.9
4°	809.7
5°	800.6
6°	787.8
7°	771.4
8°	747.7
9°	719.4
10°	687.4
11°	652.7
12°	618.0
13°	583.3
14°	547.7
15°	512.1
16°	476.5
17°	440.0
18°	404.4
19°	367.0
20°	329.6
21°	294.9
22°	262.0
23°	229.1
24°	199.0
25°	171.6
26°	147.0
27°	123.2
28°	101.3
29°	81.2
30°	64.8
32.5°	35.6
35°	21.9
37.5°	13.7
40°	10.0
42.5°	7.3
45°	5.5
47.5°	4.6
50°	3.7
52.5°	3.7
55°	2.7
57.5°	2.7
60°	1.8
62.5°	1.8
65°	1.8



TEST NUMBER: P277750

CATALOG NUMBER: 203-SS-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
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°	0.9
105°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	1.8
117.5°	1.8
120°	1.8
122.5°	2.7
125°	2.7
127.5°	3.7
130°	3.7
132.5°	4.6
135°	5.5
137.5°	7.3
140°	10.0
142.5°	13.7
145°	21.9
147.5°	35.6
150°	64.8
151°	81.2
152°	101.3
153°	123.2
154°	147.0
155°	171.6
156°	199.0
157°	229.1
158°	262.0
159°	294.9
160°	329.6
161°	367.0



TEST NUMBER: P277750

CATALOG NUMBER: 203-SS-8LED2736-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	0°
162°	404.4
163°	440.0
164°	476.5
165°	512.1
166°	547.7
167°	583.3
168°	618.0
169°	652.7
170°	687.4
171°	719.4
172°	747.7
173°	771.4
174°	787.8
175°	800.6
176°	809.7
177°	817.9
178°	824.3
179°	828.0
180°	830.7

(END OF REPORT)