

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: P277745

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277745  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-35)  
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-BK-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED 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**

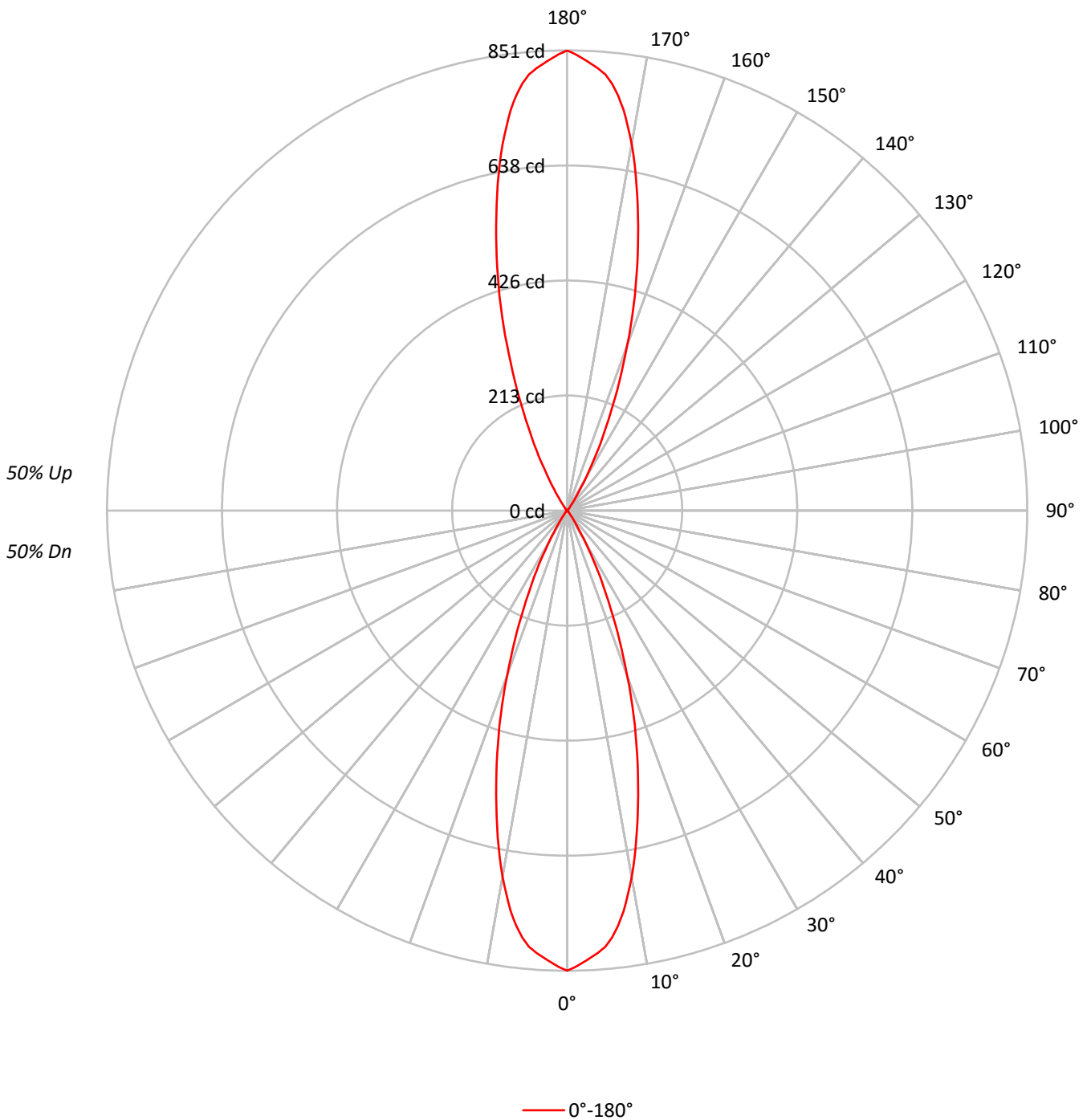
Lumens per Lamp: N/A  
Luminaire Lumens: 616.7 lumens  
Efficiency: N/A  
Efficacy: 39.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.56  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.5  
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



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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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	59	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	55	50	49	48	44				
4	84	76	70	66	78	72	67	63	63	60	57	55	53	51	48	47	45	42				
5	79	71	65	61	74	67	62	58	60	56	53	53	50	48	46	45	43	41				
6	75	66	60	56	70	63	58	54	56	52	50	50	48	45	45	43	41	39				
7	71	62	56	52	67	59	54	50	53	50	47	48	45	43	43	41	40	37				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	41	39	38	36				
9	65	55	50	46	61	53	48	45	48	45	42	44	41	39	40	38	37	35				
10	62	53	47	43	58	50	45	42	46	42	40	42	39	37	39	37	35	34				

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

	0°
0°	419767
5°	401015
10°	344381
15°	258304
20°	170639
25°	92926
30°	37430
35°	11022
40°	4122
45°	1884
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	11.9
10°-20°	138.1	22.4
20°-30°	79.3	12.9
30°-40°	14.6	2.4
40°-50°	2.2	0.4
50°-60°	0.7	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	0.7	0.1
130°-140°	2.2	0.4
140°-150°	14.6	2.4
150°-160°	79.3	12.9
160°-170°	138.1	22.4
170°-180°	73.4	11.9
0°-30°	290.8	47.2
0°-40°	305.4	49.5
0°-60°	308.4	50.0
0°-90°	308.4	50.0
90°-120°	0.0	0.0
90°-150°	17.6	2.8
90°-180°	308.0	49.9
0°-180°	616.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	851	
5°	810	73
15°	506	138
25°	171	79
35°	18	15
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	3	2
145°	18	15
155°	171	79
165°	506	138
175°	810	73
180°	851	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	850.8
1°	844.4
2°	836.2
3°	828.0
4°	819.8
5°	809.7
6°	794.2
7°	773.2
8°	748.6
9°	718.4
10°	687.4
11°	653.6
12°	617.1
13°	580.6
14°	542.3
15°	505.7
16°	469.2
17°	433.6
18°	398.0
19°	361.5
20°	325.0
21°	290.3
22°	258.3
23°	226.4
24°	197.2
25°	170.7
26°	147.0
27°	124.2
28°	102.2
29°	82.2
30°	65.7
32.5°	32.9
35°	18.3
37.5°	10.0
40°	6.4
42.5°	3.7
45°	2.7
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.0
62.5°	0.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.9
125°	0.9
127.5°	0.9
130°	0.9
132.5°	1.8
135°	2.7
137.5°	3.7
140°	6.4
142.5°	10.0
145°	18.3
147.5°	32.9
150°	65.7
151°	82.2
152°	102.2
153°	124.2
154°	147.0
155°	170.7
156°	197.2
157°	226.4
158°	258.3
159°	290.3
160°	325.0
161°	361.5



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	398.0
163°	433.6
164°	469.2
165°	505.7
166°	542.3
167°	580.6
168°	617.1
169°	653.6
170°	687.4
171°	718.4
172°	748.6
173°	773.2
174°	794.2
175°	809.7
176°	819.8
177°	828.0
178°	836.2
179°	844.4
180°	850.8

(END OF REPORT)