

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: P277749

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277749  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)  
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-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 2700K 90 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

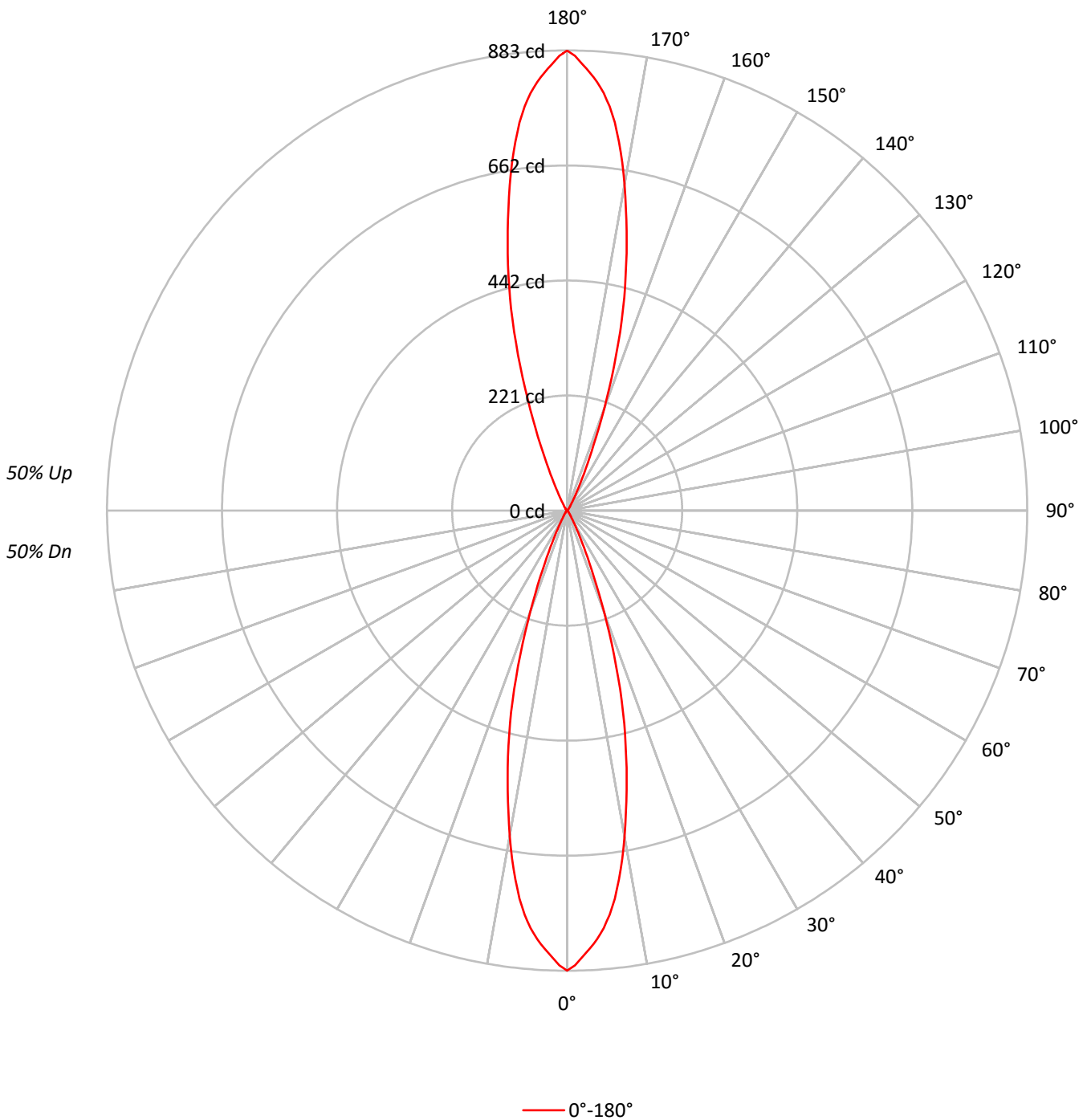
Lumens per Lamp: N/A  
Luminaire Lumens: 459.7 lumens  
Efficiency: N/A  
Efficacy: 30.2 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.2  
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	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	91	88	86	78	76	75		65	65	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	61	59		52	52	51	47
3	90	83	78	74	83	78	73	70	68	65	63		59	57	55		51	50	49	45
4	85	77	72	67	79	73	68	64	64	61	58		56	54	52		49	48	47	43
5	80	72	66	62	75	68	63	59	61	57	54		54	51	50		47	46	45	42
6	76	68	62	58	72	64	59	56	58	54	51		52	49	47		46	44	43	41
7	73	64	58	54	68	61	56	52	55	51	49		50	47	45		45	43	42	39
8	69	60	55	51	65	58	53	49	53	49	46		48	45	43		43	41	40	38
9	66	57	52	48	63	55	50	47	50	47	44		46	43	42		42	40	39	37
10	64	55	49	46	60	53	48	45	48	45	42		44	42	40		41	39	38	36

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

	0°
0°	435555
5°	398341
10°	317879
15°	216368
20°	108316
25°	37290
30°	11451
35°	5481
40°	2963
45°	1884
50°	691
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	15.5
10°-20°	112.8	24.5
20°-30°	36.0	7.8
30°-40°	6.2	1.4
40°-50°	2.1	0.5
50°-60°	0.8	0.2
60°-70°	0.6	0.1
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°	0.6	0.1
120°-130°	0.8	0.2
130°-140°	2.1	0.5
140°-150°	6.2	1.4
150°-160°	36.0	7.8
160°-170°	112.8	24.5
170°-180°	71.4	15.5
0°-30°	220.2	47.9
0°-40°	226.4	49.3
0°-60°	229.3	49.9
0°-90°	229.9	50.0
90°-120°	0.6	0.1
90°-150°	9.6	2.1
90°-180°	230.0	50.0
0°-180°	459.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	883	
5°	804	71
15°	424	113
25°	68	36
35°	9	6
45°	3	2
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	1	1
135°	3	2
145°	9	6
155°	68	36
165°	424	113
175°	804	71
180°	883	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	882.8
1°	872.7
2°	856.3
3°	840.8
4°	824.3
5°	804.3
6°	779.6
7°	750.4
8°	714.8
9°	676.4
10°	634.5
11°	590.6
12°	548.6
13°	506.7
14°	464.7
15°	423.6
16°	380.7
17°	335.0
18°	291.2
19°	247.4
20°	206.3
21°	169.8
22°	136.9
23°	109.5
24°	86.7
25°	68.5
26°	52.0
27°	41.1
28°	32.0
29°	24.6
30°	20.1
32.5°	12.8
35°	9.1
37.5°	6.4
40°	4.6
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°	0.9
62.5°	0.9
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
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°	0.9
115°	0.0
117.5°	0.9
120°	0.9
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°	4.6
142.5°	6.4
145°	9.1
147.5°	12.8
150°	20.1
151°	24.6
152°	32.0
153°	41.1
154°	52.0
155°	68.5
156°	86.7
157°	109.5
158°	136.9
159°	169.8
160°	206.3
161°	247.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	291.2
163°	335.0
164°	380.7
165°	423.6
166°	464.7
167°	506.7
168°	548.6
169°	590.6
170°	634.5
171°	676.4
172°	714.8
173°	750.4
174°	779.6
175°	804.3
176°	824.3
177°	840.8
178°	856.3
179°	872.7
180°	882.8

(END OF REPORT)