

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: P277746

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277746
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-8LED2736-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER
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: 678.6 lumens
Efficiency: N/A
Efficacy: 44.6 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

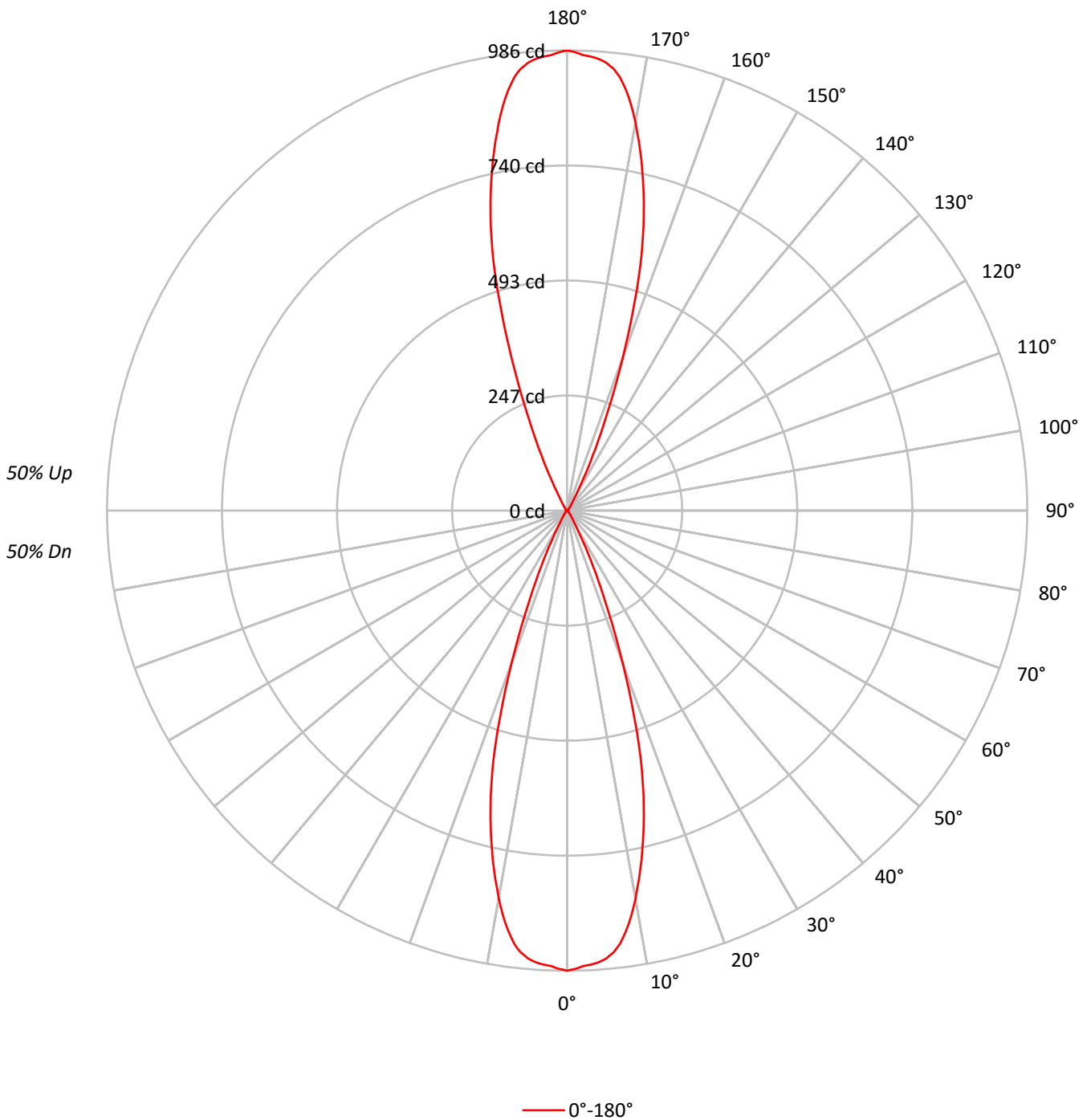
Input Watts (W): 15.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P277746

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

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	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°	486423
5°	476989
10°	422586
15°	323122
20°	182610
25°	71587
30°	19256
35°	8252
40°	4702
45°	3210
50°	2840
55°	3183
60°	1776
65°	1051
70°	1298
75°	1716
80°	0
85°	0



TEST NUMBER: P277746

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	13.0
10°-20°	167.7	24.7
20°-30°	64.8	9.5
30°-40°	9.9	1.5
40°-50°	3.9	0.6
50°-60°	2.9	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°	2.9	0.4
130°-140°	3.9	0.6
140°-150°	9.9	1.5
150°-160°	64.8	9.5
160°-170°	167.7	24.7
170°-180°	88.3	13.0
0°-30°	320.8	47.3
0°-40°	330.7	48.7
0°-60°	337.5	49.7
0°-90°	339.3	50.0
90°-120°	1.8	0.3
90°-150°	18.5	2.7
90°-180°	339.0	50.0
0°-180°	678.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	986	
5°	963	88
15°	633	168
25°	132	65
35°	14	10
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°	14	10
155°	132	65
165°	633	168
175°	963	88
180°	986	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	985.9
1°	982.3
2°	976.8
3°	974.0
4°	970.4
5°	963.1
6°	952.1
7°	934.8
8°	909.2
9°	879.1
10°	843.5
11°	805.2
12°	765.9
13°	723.0
14°	678.3
15°	632.6
16°	582.4
17°	526.7
18°	466.5
19°	406.2
20°	347.8
21°	292.1
22°	242.8
23°	199.0
24°	163.4
25°	131.5
26°	99.5
27°	75.8
28°	57.5
29°	43.8
30°	33.8
32.5°	21.0
35°	13.7
37.5°	10.0
40°	7.3
42.5°	5.5
45°	4.6
47.5°	4.6
50°	3.7
52.5°	3.7
55°	3.7
57.5°	2.7
60°	1.8
62.5°	1.8
65°	0.9



TEST NUMBER: P277746

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

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°	3.7
127.5°	3.7
130°	3.7
132.5°	4.6
135°	4.6
137.5°	5.5
140°	7.3
142.5°	10.0
145°	13.7
147.5°	21.0
150°	33.8
151°	43.8
152°	57.5
153°	75.8
154°	99.5
155°	131.5
156°	163.4
157°	199.0
158°	242.8
159°	292.1
160°	347.8
161°	406.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	466.5
163°	526.7
164°	582.4
165°	632.6
166°	678.3
167°	723.0
168°	765.9
169°	805.2
170°	843.5
171°	879.1
172°	909.2
173°	934.8
174°	952.1
175°	963.1
176°	970.4
177°	974.0
178°	976.8
179°	982.3
180°	985.9

(END OF REPORT)