

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: P277800

Luminaire Tested: **203-SS-8LED4025-12-CS-OSL**

Test Date: 04/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277800  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)  
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-8LED4025-12-CS-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS  
Light Source: (1) SORAA 4000K 90 CRI LED  
SM16-07-25D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

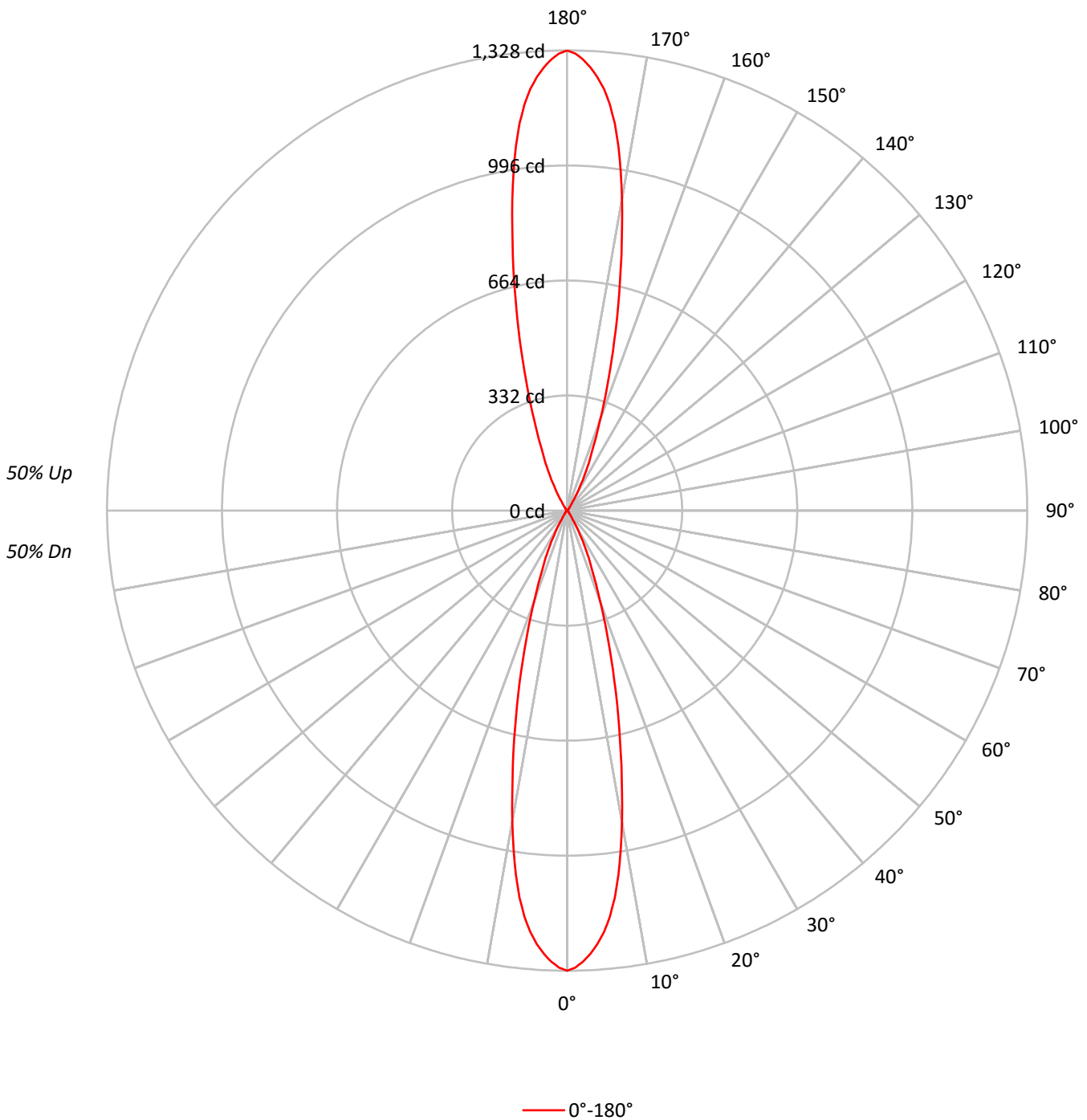
Lumens per Lamp: N/A  
Luminaire Lumens: 682.4 lumens  
Efficiency: N/A  
Efficacy: 45.2 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.1  
Input Voltage (V): 12.0  
Input Current (Ain): 0.662  
Voltage Rise (V): NR  
Power Factor: 0.9909  
Total Harmonic Distortion (THDi): 27.1%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.2  
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	98	95	92	93	91	88	86	77	76	74	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46				
3	89	83	77	73	83	77	73	70	68	65	62	59	57	55	50	49	48	45				
4	84	77	71	67	79	72	67	64	64	60	58	56	54	52	49	47	46	43				
5	80	72	66	61	75	68	63	59	60	57	54	53	51	49	47	45	44	41				
6	76	67	61	57	71	64	59	55	57	53	51	51	49	47	45	44	42	40				
7	72	63	57	53	68	60	55	52	54	51	48	49	46	44	44	42	41	39				
8	69	60	54	50	65	57	52	49	52	48	46	47	44	42	43	41	39	38				
9	66	57	51	47	62	54	49	46	50	46	43	45	43	41	41	39	38	36				
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	35				

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

	0°
0°	655208
5°	604718
10°	456904
15°	276845
20°	146487
25°	75125
30°	29625
35°	10239
40°	5152
45°	3489
50°	3070
55°	2581
60°	1974
65°	1167
70°	1443
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.8	15.6
10°-20°	149.1	21.9
20°-30°	64.5	9.4
30°-40°	12.9	1.9
40°-50°	4.0	0.6
50°-60°	2.5	0.4
60°-70°	1.1	0.2
70°-80°	0.4	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.1
110°-120°	1.1	0.2
120°-130°	2.5	0.4
130°-140°	4.0	0.6
140°-150°	12.9	1.9
150°-160°	64.5	9.4
160°-170°	149.1	21.9
170°-180°	106.8	15.6
0°-30°	320.3	46.9
0°-40°	333.2	48.8
0°-60°	339.7	49.8
0°-90°	341.2	50.0
90°-120°	1.8	0.3
90°-150°	21.1	3.1
90°-180°	341.0	50.0
0°-180°	682.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1328	
5°	1221	107
15°	542	149
25°	138	64
35°	17	13
45°	5	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	1
125°	3	2
135°	5	4
145°	17	13
155°	138	64
165°	542	149
175°	1221	107
180°	1328	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1328
1°	1319
2°	1303
3°	1281
4°	1254
5°	1221
6°	1178
7°	1126
8°	1062
9°	990
10°	912
11°	831
12°	753
13°	679
14°	608
15°	542
16°	479
17°	422
18°	371
19°	322
20°	279
21°	241
22°	209
23°	182
24°	159
25°	138
26°	118
27°	100
28°	82
29°	66
30°	52
32.5°	27
35°	17
37.5°	11
40°	8
42.5°	6
45°	5
47.5°	4
50°	4
52.5°	3
55°	3
57.5°	2
60°	2
62.5°	1
65°	1



TEST NUMBER: P277800

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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1
70°	1
72.5°	1
75°	0
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°	0
107.5°	1
110°	1
112.5°	1
115°	1
117.5°	1
120°	2
122.5°	2
125°	3
127.5°	3
130°	4
132.5°	4
135°	5
137.5°	6
140°	8
142.5°	11
145°	17
147.5°	27
150°	52
151°	66
152°	82
153°	100
154°	118
155°	138
156°	159
157°	182
158°	209
159°	241
160°	279
161°	322



TEST NUMBER: P277800  
CATALOG NUMBER: 203-SS-8LED4025-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	0°
162°	371
163°	422
164°	479
165°	542
166°	608
167°	679
168°	753
169°	831
170°	912
171°	990
172°	1062
173°	1126
174°	1178
175°	1221
176°	1254
177°	1281
178°	1303
179°	1319
180°	1328

(END OF REPORT)