

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: P277799

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

Test Date: 04/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277799  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)  
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-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 4000K 90 CRI LED  
SM16-07-25D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

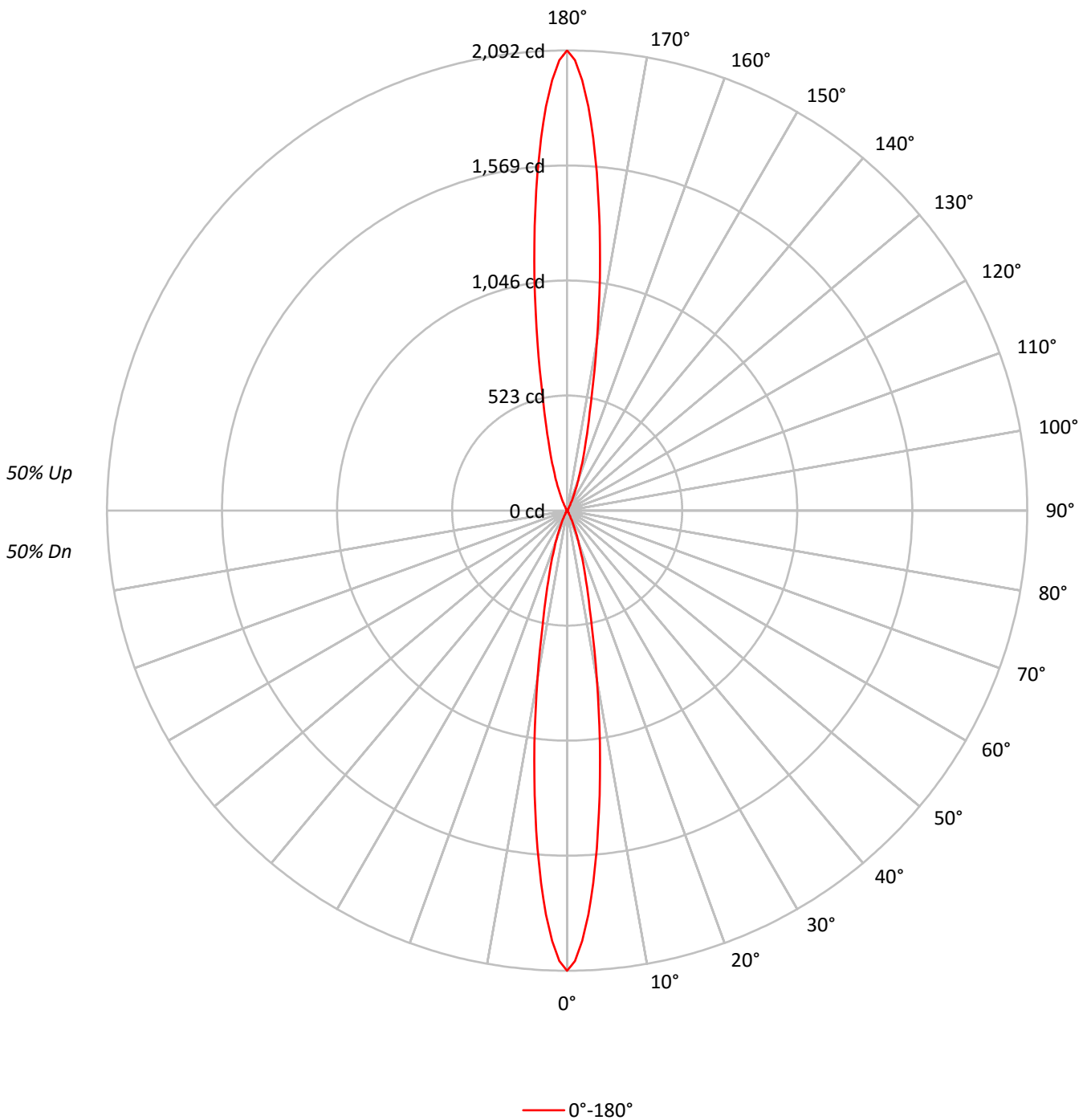
Lumens per Lamp: N/A  
Luminaire Lumens: 506.5 lumens  
Efficiency: N/A  
Efficacy: 35.2 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 14.4  
Input Voltage (V): 12.0  
Input Current (Ain): 0.629  
Voltage Rise (V): NR  
Power Factor: 0.9913  
Total Harmonic Distortion (THDi): 26.9%  
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	93	93	91	89	87	78	76	75	66	65	64	55	54	54	49				
2	95	90	86	83	89	84	81	78	73	71	69	63	61	60	53	52	52	47				
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46				
4	86	78	73	69	80	74	69	66	66	62	60	58	56	54	51	49	48	45				
5	82	74	68	64	77	70	65	62	63	59	57	56	53	52	49	48	47	44				
6	78	70	64	60	73	66	61	58	60	56	54	54	51	50	48	47	46	43				
7	75	66	61	57	70	63	58	55	57	54	51	52	50	48	47	45	44	42				
8	72	63	58	54	68	60	56	52	55	52	49	50	48	46	46	44	43	41				
9	69	60	55	52	65	58	53	50	53	50	48	49	47	45	45	43	42	41				
10	66	58	53	49	63	56	51	48	52	48	46	48	45	44	44	42	41	40				

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

	0°
0°	1032150
5°	764193
10°	389270
15°	169580
20°	77181
25°	28852
30°	8546
35°	4216
40°	2576
45°	1395
50°	768
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.9	24.1
10°-20°	97.1	19.2
20°-30°	27.1	5.3
30°-40°	5.0	1.0
40°-50°	1.6	0.3
50°-60°	0.5	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°	0.5	0.1
130°-140°	1.6	0.3
140°-150°	5.0	1.0
150°-160°	27.1	5.3
160°-170°	97.1	19.2
170°-180°	121.9	24.1
0°-30°	246.1	48.6
0°-40°	251.1	49.6
0°-60°	253.2	50.0
0°-90°	253.2	50.0
90°-120°	0.0	0.0
90°-150°	7.1	1.4
90°-180°	253.0	50.0
0°-180°	506.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2092	
5°	1543	122
15°	332	97
25°	53	27
35°	7	5
45°	2	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°	2	2
145°	7	5
155°	53	27
165°	332	97
175°	1543	122
180°	2092	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2092
1°	2048
2°	1958
3°	1840
4°	1698
5°	1543
6°	1382
7°	1223
8°	1067
9°	916
10°	777
11°	650
12°	544
13°	457
14°	387
15°	332
16°	285
17°	244
18°	207
19°	175
20°	147
22.5°	90
25°	53
26°	40
27°	32
28°	24
29°	19
30°	15
32.5°	11
35°	7
37.5°	5
40°	4
42.5°	3
45°	2
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0



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**CANDELA DISTRIBUTION (continued):**

	0°
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°	0
110°	0
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	0
125°	1
127.5°	1
130°	1
132.5°	1
135°	2
137.5°	3
140°	4
142.5°	5
145°	7
147.5°	11
150°	15
151°	19
152°	24
153°	32
154°	40
155°	53
157.5°	90
160°	147
161°	175
162°	207
163°	244
164°	285
165°	332
166°	387
167°	457



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	544
169°	650
170°	777
171°	916
172°	1067
173°	1223
174°	1382
175°	1543
176°	1698
177°	1840
178°	1958
179°	2048
180°	2092

(END OF REPORT)