

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: P277729

Luminaire Tested: **203-SS-8LED2710-12-CS-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277729  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-38)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED2710-12-CS-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 2700K 95 CRI 10° NSP LED SM16-07-10D-927-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

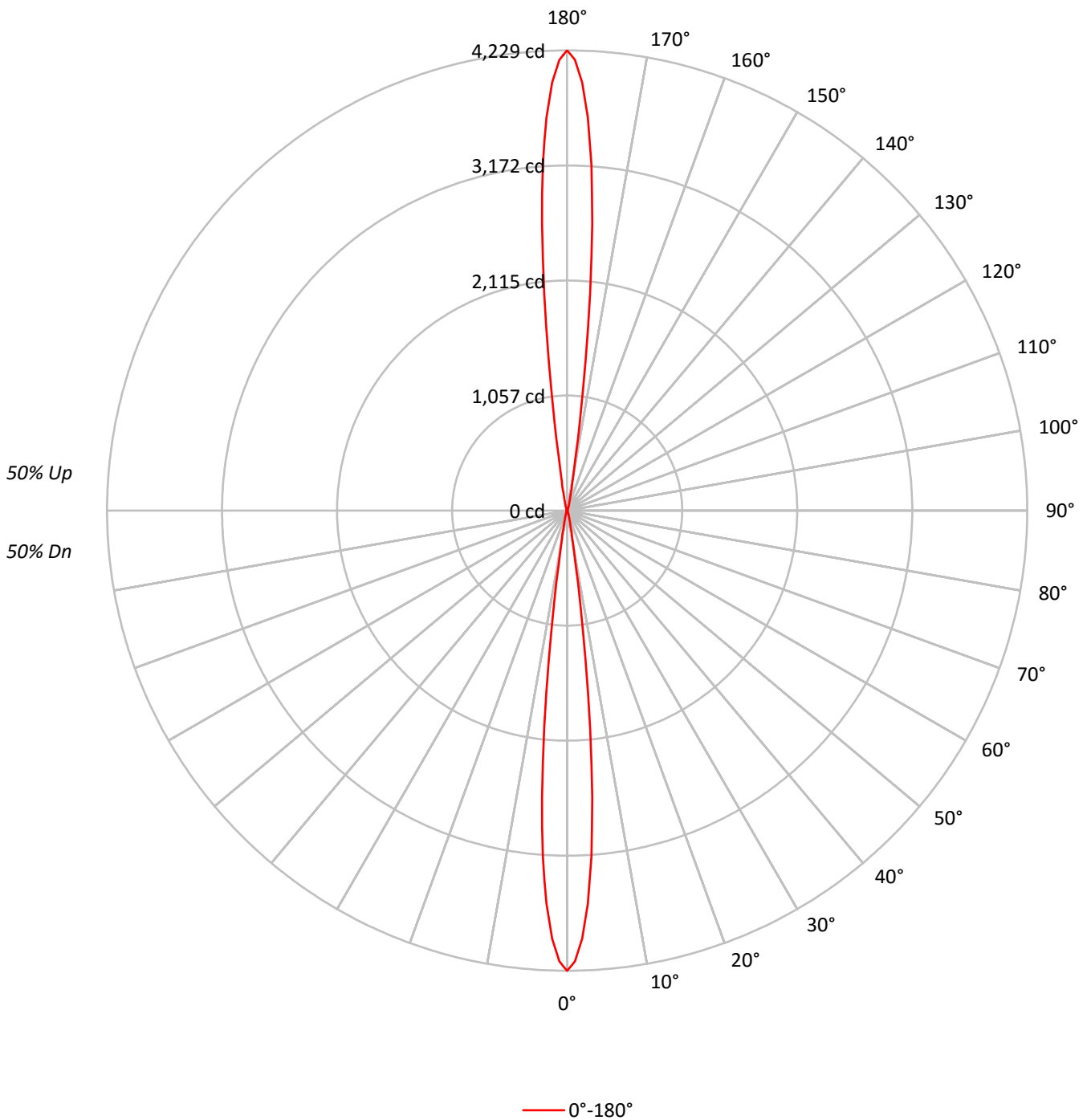
Lumens per Lamp: N/A  
Luminaire Lumens: 410.9 lumens  
Efficiency: N/A  
Efficacy: 27.6 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.19  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 14.9  
Input Voltage (V): NR  
Input Current (Ain): 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	99	96	94	94	92	89	88	78	77	76	66	65	65	55	55	54	49				
2	96	91	87	84	89	85	82	79	74	72	70	64	62	61	54	54	53	49				
3	91	85	81	77	85	80	76	73	71	68	66	62	60	59	53	52	52	48				
4	87	80	75	71	82	76	72	68	67	65	62	60	58	56	52	51	51	48				
5	83	76	71	67	78	72	68	64	65	62	59	58	56	55	52	51	50	47				
6	80	72	67	64	76	69	65	61	63	59	57	57	55	53	51	50	49	47				
7	77	69	64	61	73	66	62	59	61	58	55	55	53	52	50	49	48	46				
8	75	67	62	58	71	64	60	57	59	56	54	54	52	51	50	48	48	46				
9	72	64	60	56	69	62	58	55	58	54	52	53	51	50	49	48	47	45				
10	70	62	58	55	67	60	56	54	56	53	51	52	50	49	49	47	47	45				

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

	0°
0°	2086699
5°	1311608
10°	150949
15°	41476
20°	16801
25°	9418
30°	6267
35°	4397
40°	2963
45°	1884
50°	1382
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°	161.3	39.2
10°-20°	27.7	6.8
20°-30°	8.4	2.1
30°-40°	4.6	1.1
40°-50°	2.0	0.5
50°-60°	1.1	0.3
60°-70°	0.3	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°	1.1	0.3
130°-140°	2.0	0.5
140°-150°	4.6	1.1
150°-160°	8.4	2.1
160°-170°	27.7	6.8
170°-180°	161.3	39.2
0°-30°	197.4	48.1
0°-40°	202.0	49.2
0°-60°	205.1	49.9
0°-90°	205.4	50.0
90°-120°	0.6	0.1
90°-150°	8.2	2.0
90°-180°	206.0	50.1
0°-180°	410.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4229	
5°	2648	161
15°	81	28
25°	17	8
35°	7	5
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	1
125°	1	1
135°	3	2
145°	7	5
155°	17	8
165°	81	28
175°	2648	161
180°	4229	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4229.4
1°	4142.7
2°	3935.4
3°	3617.8
4°	3188.7
5°	2648.3
6°	2012.9
7°	1383.0
8°	851.7
9°	495.7
10°	301.3
12.5°	136.0
15°	81.2
17.5°	53.9
20°	32.0
22.5°	22.8
25°	17.3
27.5°	13.7
30°	11.0
32.5°	9.1
35°	7.3
37.5°	5.5
40°	4.6
42.5°	2.7
45°	2.7
47.5°	1.8
50°	1.8
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.0
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

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**CANDELA DISTRIBUTION (continued):**

	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°	0.9
120°	0.9
122.5°	0.9
125°	0.9
127.5°	1.8
130°	1.8
132.5°	1.8
135°	2.7
137.5°	2.7
140°	4.6
142.5°	5.5
145°	7.3
147.5°	9.1
150°	11.0
152.5°	13.7
155°	17.3
157.5°	22.8
160°	32.0
162.5°	53.9
165°	81.2
167.5°	136.0
170°	301.3
171°	495.7
172°	851.7
173°	1383.0
174°	2012.9
175°	2648.3
176°	3188.7
177°	3617.8
178°	3935.4
179°	4142.7
180°	4229.4

(END OF REPORT)