

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: P277739

Luminaire Tested: **203-SS-8LED2725-12-CS-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277739  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED2725-12-CS-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 2700K 90 CRI LED  
SM16-07-25D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

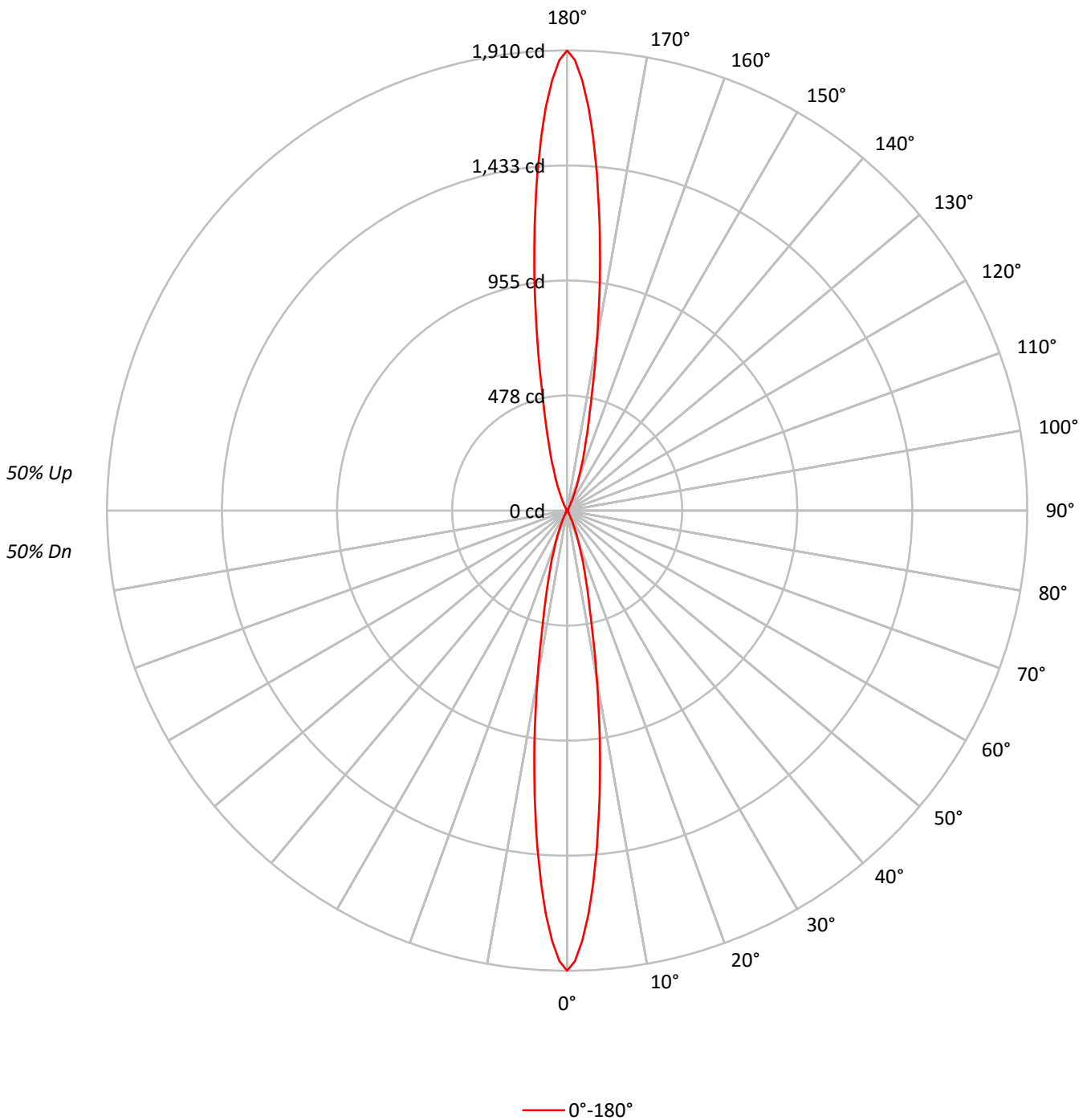
Lumens per Lamp: N/A  
Luminaire Lumens: 462.4 lumens  
Efficiency: N/A  
Efficacy: 32.1 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 14.4  
Input Voltage (V): 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	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°	942256
5°	697629
10°	355353
15°	154819
20°	70461
25°	26348
30°	7805
35°	3855
40°	2383
45°	1256
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	24.1
10°-20°	88.7	19.2
20°-30°	24.7	5.3
30°-40°	4.5	1.0
40°-50°	1.5	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°	1.5	0.3
140°-150°	4.5	1.0
150°-160°	24.7	5.3
160°-170°	88.7	19.2
170°-180°	111.3	24.1
0°-30°	224.7	48.6
0°-40°	229.2	49.6
0°-60°	231.2	50.0
0°-90°	231.2	50.0
90°-120°	0.0	0.0
90°-150°	6.5	1.4
90°-180°	231.0	50.0
0°-180°	462.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1910	
5°	1409	111
15°	303	89
25°	48	25
35°	6	5
45°	2	1
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	0
135°	2	1
145°	6	5
155°	48	25
165°	303	89
175°	1409	111
180°	1910	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1909.8
1°	1869.6
2°	1787.4
3°	1679.7
4°	1550.1
5°	1408.6
6°	1261.6
7°	1116.5
8°	974.0
9°	836.2
10°	709.3
11°	593.4
12°	496.6
13°	417.2
14°	353.3
15°	303.1
16°	260.2
17°	222.7
18°	189.0
19°	159.8
20°	134.2
22.5°	82.2
25°	48.4
26°	36.5
27°	29.2
28°	21.9
29°	17.3
30°	13.7
32.5°	10.0
35°	6.4
37.5°	4.6
40°	3.7
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.9
127.5°	0.9
130°	0.9
132.5°	0.9
135°	1.8
137.5°	2.7
140°	3.7
142.5°	4.6
145°	6.4
147.5°	10.0
150°	13.7
151°	17.3
152°	21.9
153°	29.2
154°	36.5
155°	48.4
157.5°	82.2
160°	134.2
161°	159.8
162°	189.0
163°	222.7
164°	260.2
165°	303.1
166°	353.3
167°	417.2



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	496.6
169°	593.4
170°	709.3
171°	836.2
172°	974.0
173°	1116.5
174°	1261.6
175°	1408.6
176°	1550.1
177°	1679.7
178°	1787.4
179°	1869.6
180°	1909.8

(END OF REPORT)