

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: P277730

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277730  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-39)  
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-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS  
Light Source: (1) SORAA 2700K 95 CRI 10° NSP LED SM16-07-10D-927-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

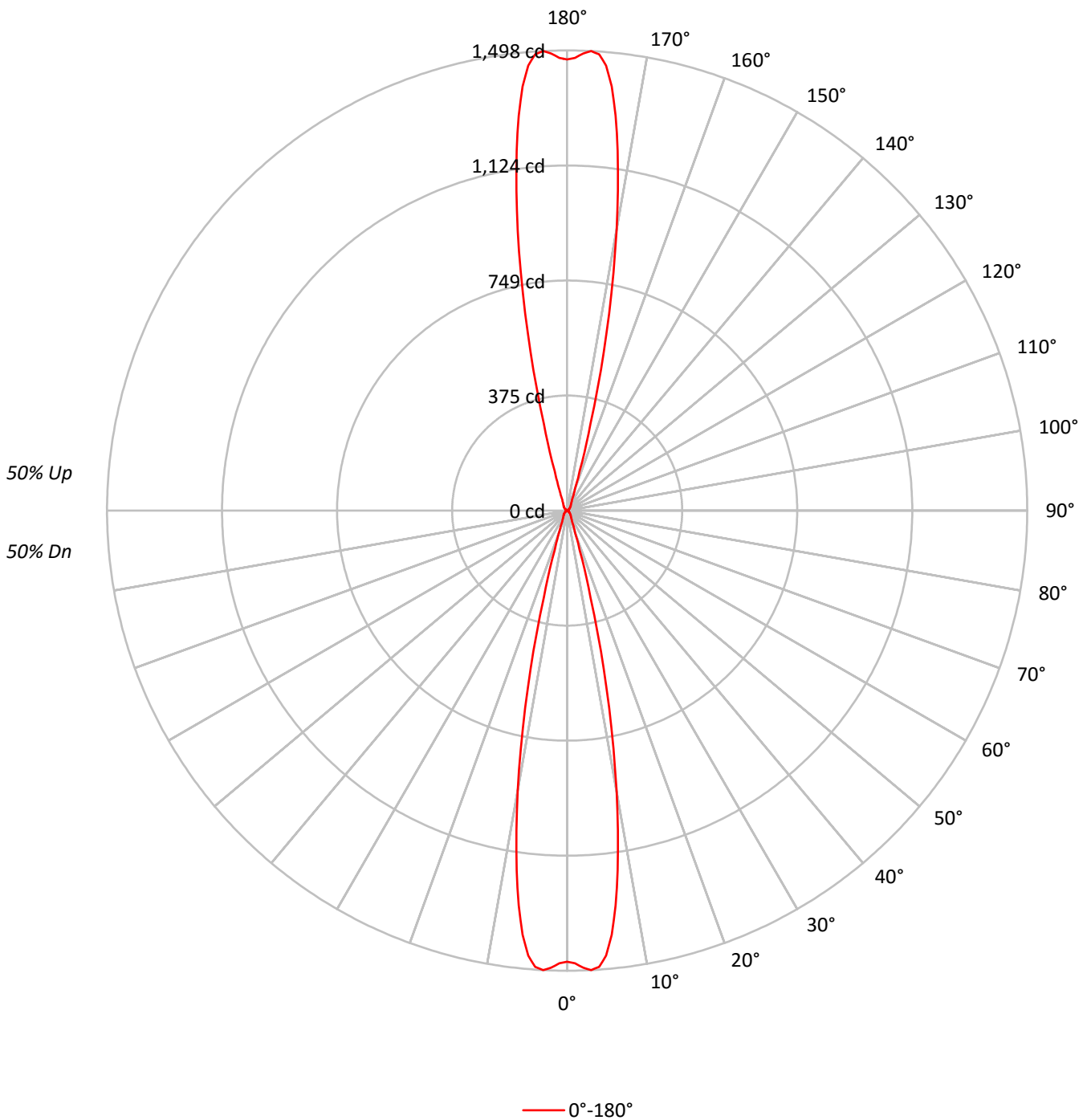
Lumens per Lamp: N/A  
Luminaire Lumens: 531.5 lumens  
Efficiency: N/A  
Efficacy: 35.7 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 14.9  
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	92	93	91	88	86	78	76	75	65	65	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	61	59	52	52	51	47				
3	90	83	78	74	83	78	73	70	68	65	63	59	57	55	51	50	49	45				
4	85	77	72	67	79	73	68	64	64	61	58	56	54	52	49	48	47	44				
5	80	72	66	62	75	68	63	60	61	57	55	54	52	50	48	46	45	42				
6	77	68	62	58	72	65	60	56	58	54	52	52	49	48	46	45	43	41				
7	73	64	59	55	69	61	56	53	56	52	49	50	48	46	45	43	42	40				
8	70	61	56	52	66	58	54	50	53	50	47	48	46	44	44	42	41	39				
9	67	58	53	49	64	56	51	48	51	48	45	47	44	43	43	41	40	38				
10	65	56	51	47	61	54	49	46	50	46	44	46	43	41	42	40	39	37				

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

	0°
0°	724676
5°	720213
10°	463767
15°	149200
20°	39798
25°	20360
30°	14584
35°	12648
40°	10563
45°	8931
50°	7676
55°	5505
60°	3651
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.8	22.7
10°-20°	94.9	17.8
20°-30°	19.0	3.6
30°-40°	12.9	2.4
40°-50°	10.1	1.9
50°-60°	5.8	1.1
60°-70°	1.7	0.3
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°	1.7	0.3
120°-130°	5.8	1.1
130°-140°	10.1	1.9
140°-150°	12.9	2.4
150°-160°	19.0	3.6
160°-170°	94.9	17.8
170°-180°	120.8	22.7
0°-30°	234.7	44.2
0°-40°	247.6	46.6
0°-60°	263.5	49.6
0°-90°	265.8	50.0
90°-120°	2.3	0.4
90°-150°	31.1	5.8
90°-180°	266.0	50.0
0°-180°	531.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1469	
5°	1454	121
15°	292	95
25°	37	19
35°	21	13
45°	13	10
55°	6	6
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	6	6
135°	13	10
145°	21	13
155°	37	19
165°	292	95
175°	1454	121
180°	1469	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1468.8
1°	1474.3
2°	1488.9
3°	1498.0
4°	1488.9
5°	1454.2
6°	1388.5
7°	1295.4
8°	1182.2
9°	1054.4
10°	925.7
12.5°	588.8
15°	292.1
17.5°	135.1
20°	75.8
22.5°	51.1
25°	37.4
27.5°	30.1
30°	25.6
32.5°	22.8
35°	21.0
37.5°	18.3
40°	16.4
42.5°	14.6
45°	12.8
47.5°	11.9
50°	10.0
52.5°	8.2
55°	6.4
57.5°	4.6
60°	3.7
62.5°	1.8
65°	1.8
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

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**CANDELA DISTRIBUTION (continued):**

	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°	1.8
117.5°	1.8
120°	3.7
122.5°	4.6
125°	6.4
127.5°	8.2
130°	10.0
132.5°	11.9
135°	12.8
137.5°	14.6
140°	16.4
142.5°	18.3
145°	21.0
147.5°	22.8
150°	25.6
152.5°	30.1
155°	37.4
157.5°	51.1
160°	75.8
162.5°	135.1
165°	292.1
167.5°	588.8
170°	925.7
171°	1054.4
172°	1182.2
173°	1295.4
174°	1388.5
175°	1454.2
176°	1488.9
177°	1498.0
178°	1488.9
179°	1474.3
180°	1468.8

(END OF REPORT)