

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: P277787

Luminaire Tested: **203-SS-8LED4010-12-CS-DIFF**

Test Date: 04/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277787  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-36)  
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-8LED4010-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 4000K 95 CRI 10° NSP LED  
SM16-07-10D-940-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

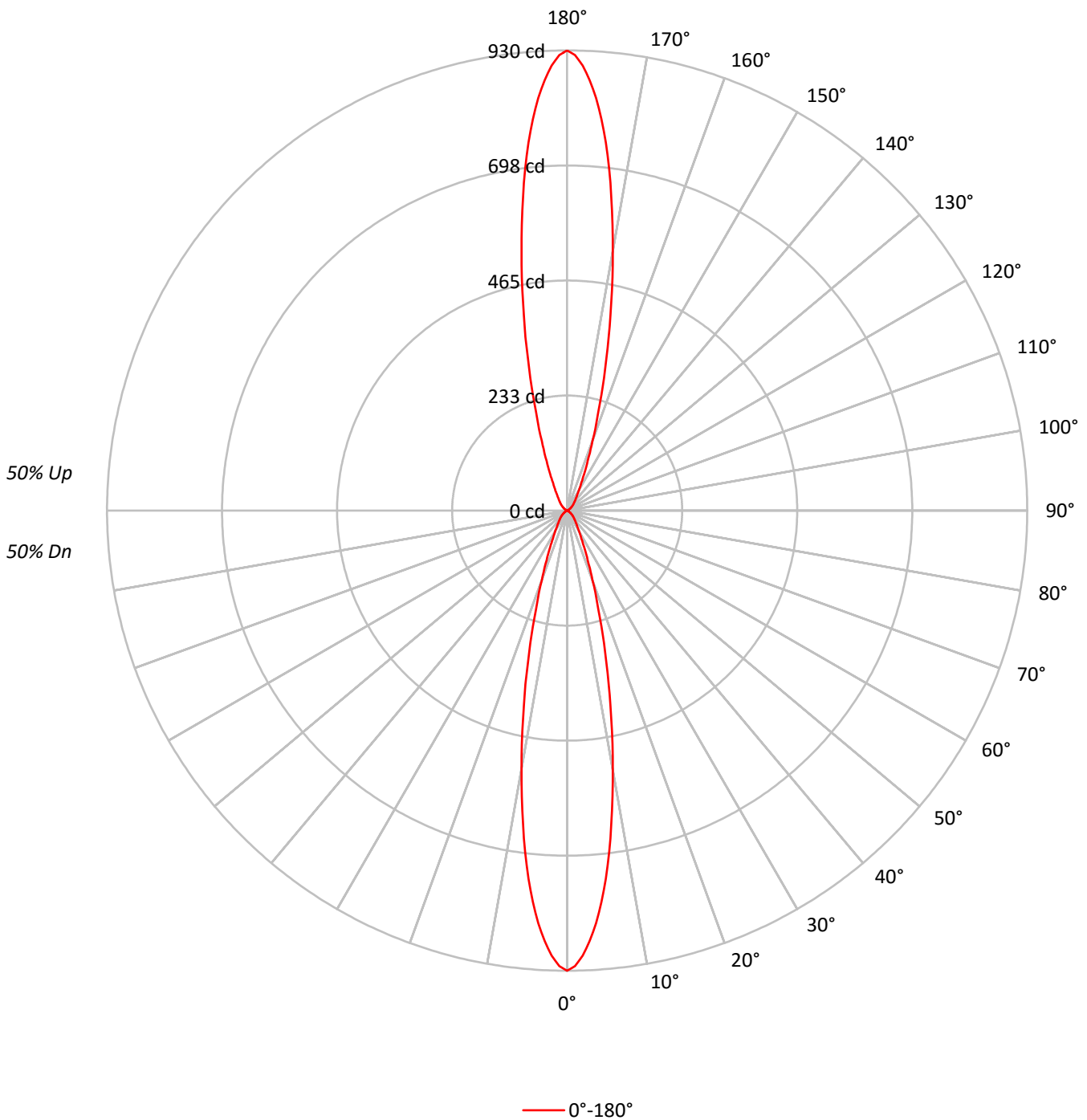
Lumens per Lamp: N/A  
Luminaire Lumens: 466.3 lumens  
Efficiency: N/A  
Efficacy: 31.3 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 14.9  
Input Voltage (V): 12.0  
Input Current (Ain): 0.656  
Voltage Rise (V): NR  
Power Factor: 0.9482  
Total Harmonic Distortion (THDi): 27.5%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 9 HR  
Ambient Temperature (°C): 24.7  
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	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	75	71	69	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	52	49		47	45	44	41
5	78	69	63	59	73	66	60	56	58	54	51		51	48	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	55	50	66	58	52	48	52	48	45		46	43	41		41	39	38	36
8	67	57	51	47	63	54	49	45	49	45	42		44	41	39		40	38	36	34
9	63	54	48	44	60	51	46	43	47	43	40		42	40	37		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

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

	0°
0°	458843
5°	393240
10°	266026
15°	150681
20°	78757
25°	43551
30°	27346
35°	19274
40°	14813
45°	11862
50°	9211
55°	6881
60°	3947
65°	2335
70°	1443
75°	1906
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.1	14.4
10°-20°	83.0	17.8
20°-30°	38.8	8.3
30°-40°	20.5	4.4
40°-50°	13.3	2.9
50°-60°	7.1	1.5
60°-70°	2.3	0.5
70°-80°	0.9	0.2
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.2
110°-120°	2.3	0.5
120°-130°	7.1	1.5
130°-140°	13.3	2.9
140°-150°	20.5	4.4
150°-160°	38.8	8.3
160°-170°	83.0	17.8
170°-180°	67.1	14.4
0°-30°	188.9	40.5
0°-40°	209.5	44.9
0°-60°	229.9	49.3
0°-90°	233.2	50.0
90°-120°	3.3	0.7
90°-150°	44.2	9.5
90°-180°	233.0	50.0
0°-180°	466.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	930	
5°	794	67
15°	295	83
25°	80	39
35°	32	21
45°	17	13
55°	8	7
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	8	7
135°	17	13
145°	32	21
155°	80	39
165°	295	83
175°	794	67
180°	930	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	930
1°	921
2°	900
3°	871
4°	836
5°	794
6°	748
7°	696
8°	641
9°	585
10°	531
12.5°	404
15°	295
17.5°	210
20°	150
22.5°	108
25°	80
27.5°	60
30°	48
32.5°	38
35°	32
37.5°	27
40°	23
42.5°	20
45°	17
47.5°	15
50°	12
52.5°	10
55°	8
57.5°	6
60°	4
62.5°	3
65°	2
67.5°	2
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0

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**CANDELA DISTRIBUTION (continued):**

	0°
97.5°	0
100°	0
102.5°	1
105°	1
107.5°	1
110°	1
112.5°	2
115°	2
117.5°	3
120°	4
122.5°	6
125°	8
127.5°	10
130°	12
132.5°	15
135°	17
137.5°	20
140°	23
142.5°	27
145°	32
147.5°	38
150°	48
152.5°	60
155°	80
157.5°	108
160°	150
162.5°	210
165°	295
167.5°	404
170°	531
171°	585
172°	641
173°	696
174°	748
175°	794
176°	836
177°	871
178°	900
179°	921
180°	930

(END OF REPORT)