

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: P277786

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

Test Date: 04/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277786  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-7)  
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  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD SILVER  
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: 593.8 lumens  
Efficiency: N/A  
Efficacy: 39.9 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.19  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

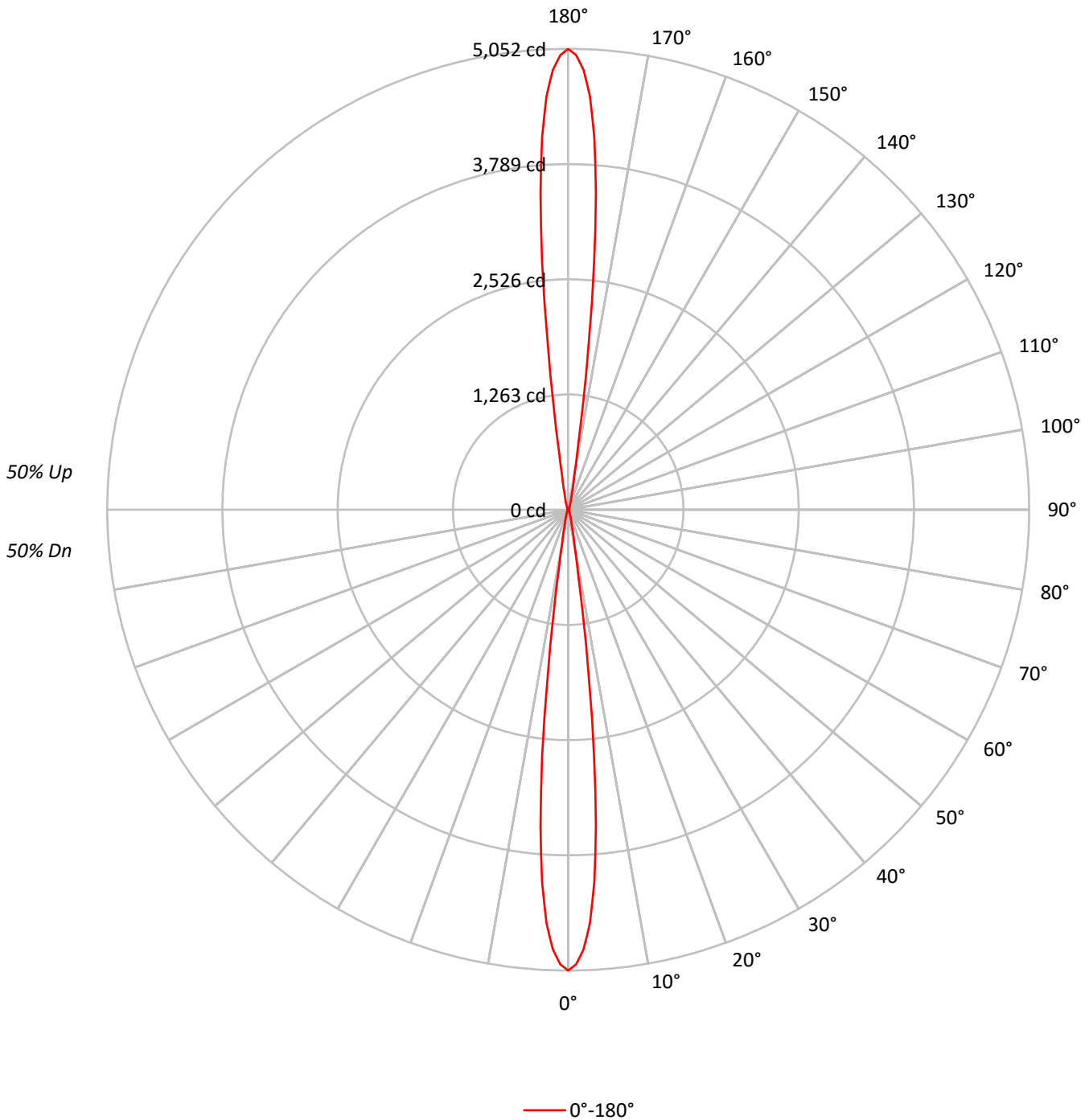
Input Watts (W): 14.9  
Input Voltage (V): 12.0  
Input Current (A<sub>in</sub>): 0.656  
Voltage Rise (V): NR  
Power Factor: 0.9482  
Total Harmonic Distortion (THDi): 27.2%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 9 HR  
Ambient Temperature (°C): 24.9  
Test Distance: 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	101	98	95	93	94	91	89	87	78	77	75		66	65	64		55	54	54	49
2	96	91	86	83	89	85	81	78	73	71	69		63	62	60		53	53	52	48
3	91	84	79	75	84	79	75	72	69	67	64		60	59	57		52	51	50	47
4	86	79	74	69	80	74	70	66	66	63	60		58	56	54		51	50	49	46
5	82	74	69	65	77	70	66	62	63	60	57		56	54	52		50	49	47	45
6	79	70	65	61	74	67	62	59	61	57	55		54	52	50		49	47	46	44
7	75	67	62	58	71	64	59	56	58	55	53		53	51	49		48	47	45	43
8	73	64	59	55	69	62	57	54	56	53	51		52	49	48		47	46	45	43
9	70	62	57	53	66	59	55	52	55	52	49		50	48	47		46	45	44	42
10	68	60	55	52	65	57	53	50	53	50	48		49	47	46		46	44	43	42

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

	0°
0°	2492553
5°	1723519
10°	197390
15°	62316
20°	27827
25°	17965
30°	14243
35°	12648
40°	10949
45°	9768
50°	7676
55°	6021
60°	2960
65°	1167
70°	1443
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.8	35.2
10°-20°	40.0	6.7
20°-30°	16.0	2.7
30°-40°	13.3	2.2
40°-50°	10.9	1.8
50°-60°	6.1	1.0
60°-70°	1.5	0.2
70°-80°	0.4	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.1
110°-120°	1.5	0.2
120°-130°	6.1	1.0
130°-140°	10.9	1.8
140°-150°	13.3	2.2
150°-160°	16.0	2.7
160°-170°	40.0	6.7
170°-180°	208.8	35.2
0°-30°	264.8	44.6
0°-40°	278.1	46.8
0°-60°	295.0	49.7
0°-90°	296.9	50.0
90°-120°	2.1	0.4
90°-150°	32.4	5.5
90°-180°	297.0	50.0
0°-180°	593.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5052	
5°	3480	209
15°	122	40
25°	33	16
35°	21	13
45°	14	11
55°	7	6
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	1
125°	7	6
135°	14	11
145°	21	13
155°	33	16
165°	122	40
175°	3480	209
180°	5052	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5052
1°	4985
2°	4824
3°	4536
4°	4090
5°	3480
6°	2726
7°	1869
8°	1117
9°	639
10°	394
12.5°	194
15°	122
17.5°	85
20°	53
22.5°	40
25°	33
27.5°	29
30°	25
32.5°	23
35°	21
37.5°	20
40°	17
42.5°	16
45°	14
47.5°	13
50°	10
52.5°	9
55°	7
57.5°	5
60°	3
62.5°	2
65°	1
67.5°	1
70°	1
72.5°	1
75°	0
77.5°	0
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°	0
105°	0
107.5°	1
110°	1
112.5°	1
115°	1
117.5°	2
120°	3
122.5°	5
125°	7
127.5°	9
130°	10
132.5°	13
135°	14
137.5°	16
140°	17
142.5°	20
145°	21
147.5°	23
150°	25
152.5°	29
155°	33
157.5°	40
160°	53
162.5°	85
165°	122
167.5°	194
170°	394
171°	639
172°	1117
173°	1869
174°	2726
175°	3480
176°	4090
177°	4536
178°	4824
179°	4985
180°	5052

(END OF REPORT)