

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: P277757

Luminaire Tested: **203-SS-8LED3010-12-CS-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277757  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-36)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3010-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 3000K 95 CRI 10° NSP LED SM16-07-10D-930-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

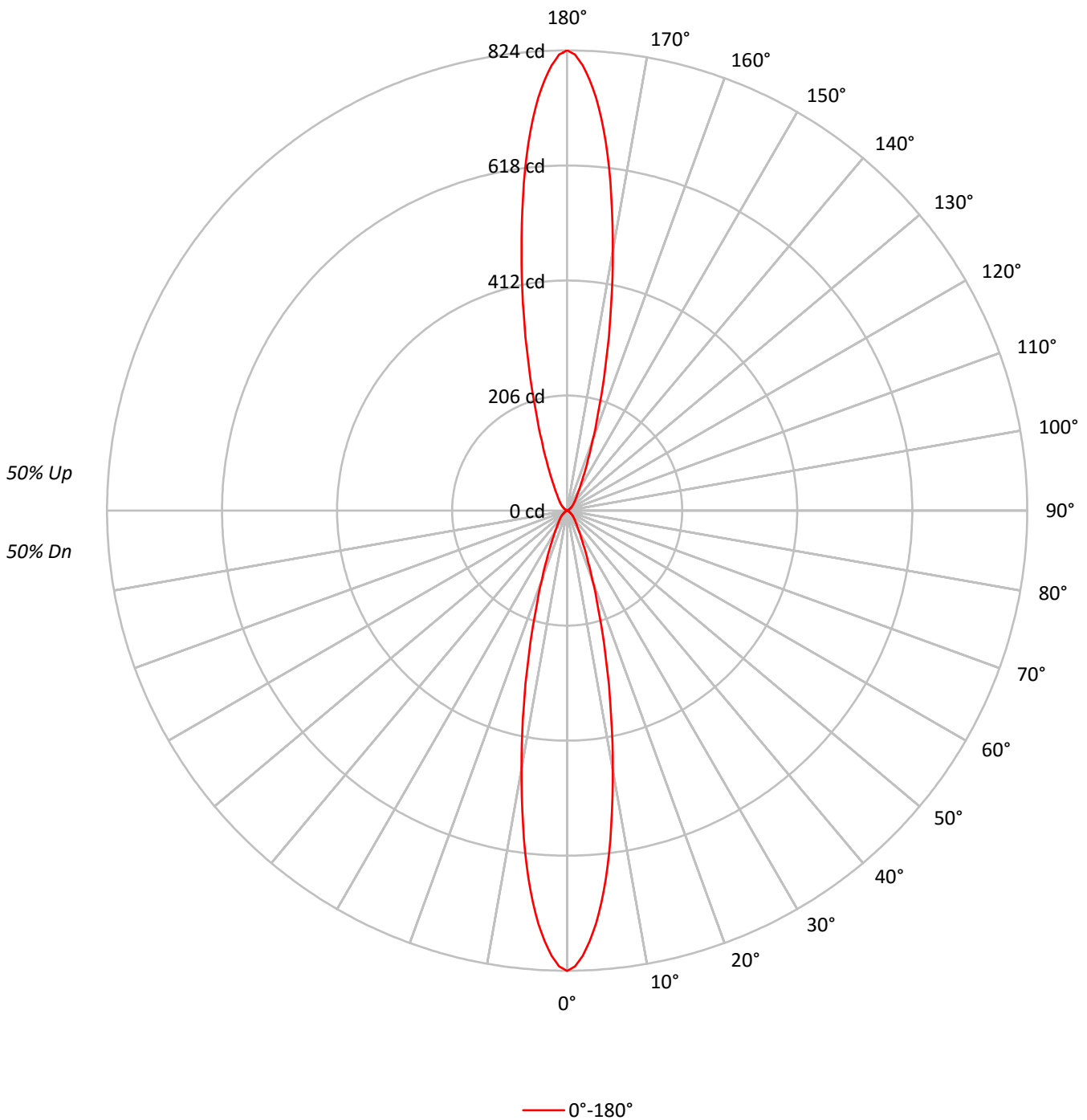
Lumens per Lamp: N/A  
Luminaire Lumens: 413.5 lumens  
Efficiency: N/A  
Efficacy: 27.7 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 14.9  
Input Voltage (V): 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	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°	406742
5°	348616
10°	235816
15°	133570
20°	69831
25°	38597
30°	24269
35°	17105
40°	13139
45°	10536
50°	8136
55°	6107
60°	3454
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.5	14.4
10°-20°	73.6	17.8
20°-30°	34.4	8.3
30°-40°	18.2	4.4
40°-50°	11.8	2.9
50°-60°	6.3	1.5
60°-70°	2.1	0.5
70°-80°	0.8	0.2
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.8	0.2
110°-120°	2.1	0.5
120°-130°	6.3	1.5
130°-140°	11.8	2.9
140°-150°	18.2	4.4
150°-160°	34.4	8.3
160°-170°	73.6	17.8
170°-180°	59.5	14.4
0°-30°	167.5	40.5
0°-40°	185.7	44.9
0°-60°	203.8	49.3
0°-90°	206.7	50.0
90°-120°	2.9	0.7
90°-150°	39.2	9.5
90°-180°	207.0	50.1
0°-180°	413.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	824	
5°	704	60
15°	262	74
25°	71	34
35°	28	18
45°	15	12
55°	7	6
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	7	6
135°	15	12
145°	28	18
155°	71	34
165°	262	74
175°	704	60
180°	824	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	824.4
1°	816.5
2°	797.8
3°	772.1
4°	741.1
5°	703.9
6°	663.1
7°	617.0
8°	568.2
9°	518.6
10°	470.7
12.5°	358.1
15°	261.5
17.5°	186.2
20°	133.0
22.5°	95.7
25°	70.9
27.5°	53.2
30°	42.6
32.5°	33.7
35°	28.4
37.5°	23.9
40°	20.4
42.5°	17.7
45°	15.1
47.5°	13.3
50°	10.6
52.5°	8.9
55°	7.1
57.5°	5.3
60°	3.5
62.5°	2.7
65°	1.8
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
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°	0.9
105°	0.9
107.5°	0.9
110°	0.9
112.5°	1.8
115°	1.8
117.5°	2.7
120°	3.5
122.5°	5.3
125°	7.1
127.5°	8.9
130°	10.6
132.5°	13.3
135°	15.1
137.5°	17.7
140°	20.4
142.5°	23.9
145°	28.4
147.5°	33.7
150°	42.6
152.5°	53.2
155°	70.9
157.5°	95.7
160°	133.0
162.5°	186.2
165°	261.5
167.5°	358.1
170°	470.7
171°	518.6
172°	568.2
173°	617.0
174°	663.1
175°	703.9
176°	741.1
177°	772.1
178°	797.8
179°	816.5
180°	824.4

(END OF REPORT)