

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: P277802

Luminaire Tested: **203-SS-8LED4036-12-BK-DIFF**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277802  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-32)  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 04/06/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED4036-12-BK-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK, DIFFUSED LENS  
Light Source: (1) SORAA 4000K 95 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

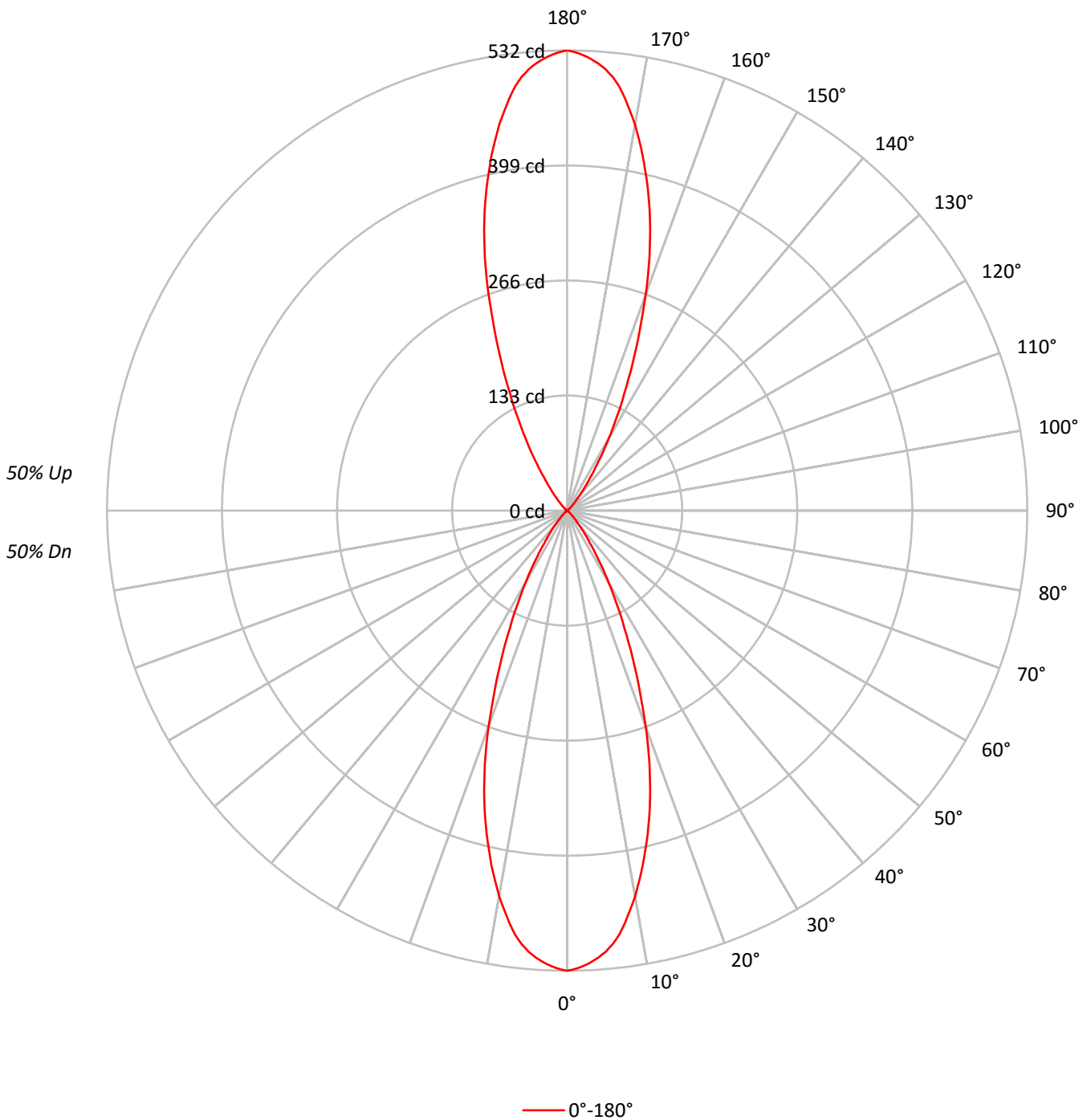
Lumens per Lamp: N/A  
Luminaire Lumens: 528.6 lumens  
Efficiency: N/A  
Efficacy: 34.1 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.5  
Input Voltage (V): 12.0  
Input Current (A<sub>in</sub>): 0.682  
Voltage Rise (V): NR  
Power Factor: 0.9908  
Total Harmonic Distortion (THDi): 27.3%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 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	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	47	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		44	43	41	38
6	74	64	58	53	69	61	55	51	54	50	47		48	45	43		42	40	39	36
7	70	60	54	49	65	57	51	48	51	47	44		46	43	40		41	38	37	35
8	66	56	50	46	62	53	48	44	48	44	41		43	40	38		39	37	35	33
9	62	53	47	43	59	50	45	41	46	42	39		41	38	36		37	35	33	32
10	59	50	44	40	56	47	42	39	43	39	36		39	36	34		36	33	32	30

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

	0°
0°	262478
5°	253575
10°	226949
15°	187458
20°	139137
25°	91457
30°	54692
35°	27706
40°	12881
45°	5582
50°	2303
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.0	8.9
10°-20°	100.3	19.0
20°-30°	77.3	14.6
30°-40°	31.1	5.9
40°-50°	7.1	1.3
50°-60°	1.3	0.3
60°-70°	0.1	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°	0.1	0.0
120°-130°	1.3	0.3
130°-140°	7.1	1.3
140°-150°	31.1	5.9
150°-160°	77.3	14.6
160°-170°	100.3	19.0
170°-180°	47.0	8.9
0°-30°	224.6	42.5
0°-40°	255.7	48.4
0°-60°	264.2	50.0
0°-90°	264.3	50.0
90°-120°	0.1	0.0
90°-150°	39.7	7.5
90°-180°	264.0	49.9
0°-180°	528.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	532	
5°	512	47
15°	367	100
25°	168	77
35°	46	31
45°	8	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	8	7
145°	46	31
155°	168	77
165°	367	100
175°	512	47
180°	532	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	532
1°	530
2°	527
3°	523
4°	518
5°	512
6°	504
7°	494
8°	481
9°	467
10°	453
11°	436
12°	420
13°	402
14°	385
15°	367
16°	348
17°	328
18°	308
19°	287
20°	265
21°	243
22°	223
23°	204
24°	186
25°	168
26°	151
27°	137
28°	122
29°	108
30°	96
32.5°	68
35°	46
37.5°	32
40°	20
42.5°	13
45°	8
47.5°	5
50°	3
52.5°	2
55°	1
57.5°	1
60°	1
62.5°	0
65°	0

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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	0
117.5°	0
120°	1
122.5°	1
125°	1
127.5°	2
130°	3
132.5°	5
135°	8
137.5°	13
140°	20
142.5°	32
145°	46
147.5°	68
150°	96
151°	108
152°	122
153°	137
154°	151
155°	168
156°	186
157°	204
158°	223
159°	243
160°	265
161°	287



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	308
163°	328
164°	348
165°	367
166°	385
167°	402
168°	420
169°	436
170°	453
171°	467
172°	481
173°	494
174°	504
175°	512
176°	518
177°	523
178°	527
179°	530
180°	532

(END OF REPORT)