

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: P277804

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

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277804  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-34)  
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-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 4000K 95 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

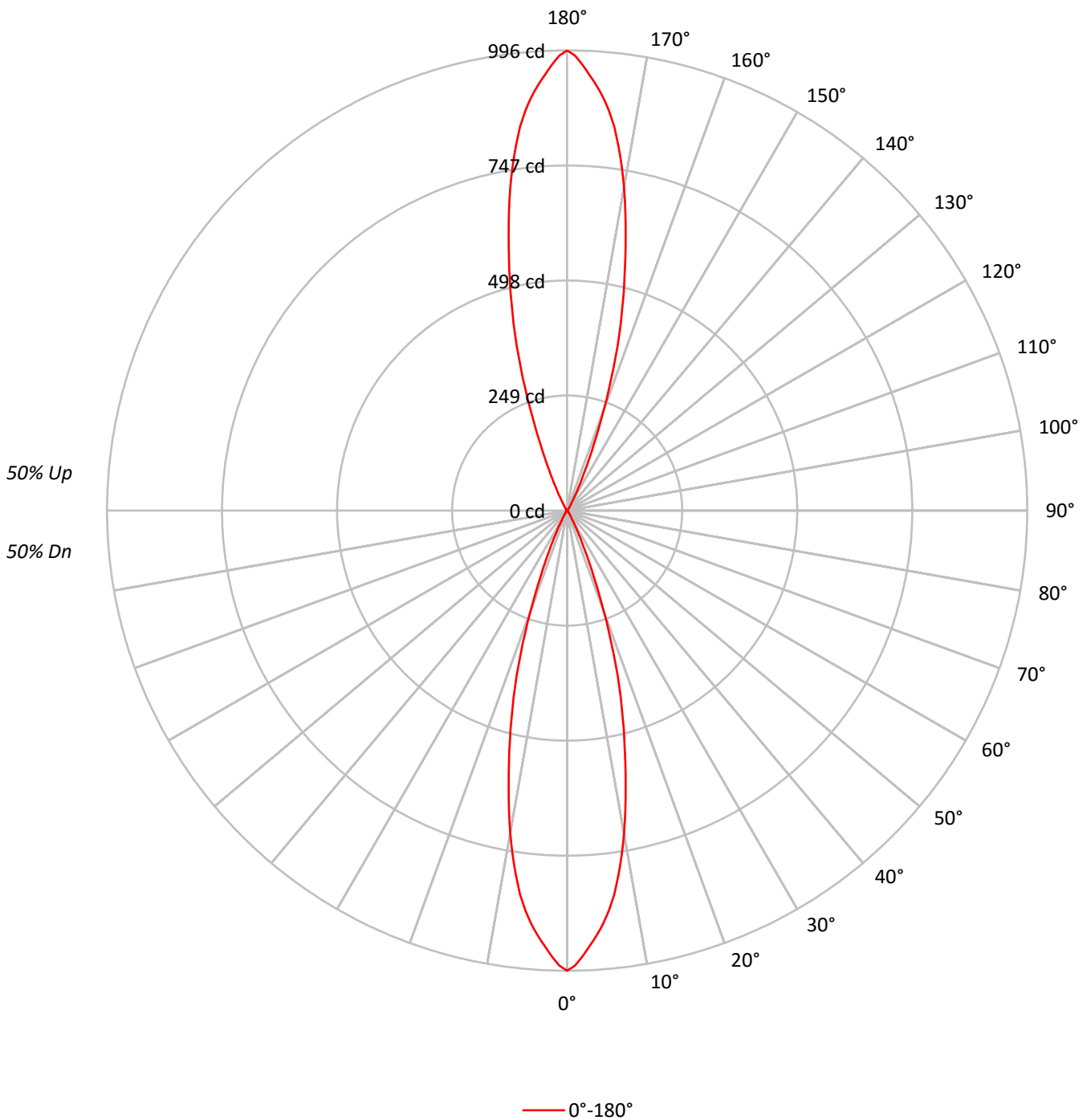
Lumens per Lamp: N/A  
Luminaire Lumens: 504.1 lumens  
Efficiency: N/A  
Efficacy: 32.3 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.6  
Input Voltage (V): 12.0  
Input Current (A<sub>in</sub>): 0.680  
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	101	98	95	93	93	91	88	86	78	76	75		65	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	59		53	52	51	47
3	90	83	78	74	83	78	74	70	68	65	63		59	57	56		51	50	49	45
4	85	77	72	68	79	73	68	64	64	61	58		57	54	53		49	48	47	44
5	81	72	67	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	58	54	69	61	56	53	55	52	49		50	47	45		45	43	42	40
8	70	61	55	51	66	58	53	50	53	49	47		48	46	44		44	42	41	39
9	67	58	52	49	63	55	51	47	51	47	45		46	44	42		42	41	39	38
10	64	55	50	46	61	53	48	45	49	45	43		45	42	40		41	39	38	37

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

	0°
0°	491406
5°	444252
10°	355202
15°	238025
20°	121810
25°	40284
30°	11394
35°	4818
40°	2576
45°	1395
50°	768
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.7	15.8
10°-20°	125.2	24.8
20°-30°	39.7	7.9
30°-40°	5.6	1.1
40°-50°	1.6	0.3
50°-60°	0.1	0.0
60°-70°	0.0	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°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	1.6	0.3
140°-150°	5.6	1.1
150°-160°	39.7	7.9
160°-170°	125.2	24.8
170°-180°	79.7	15.8
0°-30°	244.7	48.5
0°-40°	250.3	49.7
0°-60°	252.1	50.0
0°-90°	252.1	50.0
90°-120°	0.0	0.0
90°-150°	7.3	1.5
90°-180°	252.0	50.0
0°-180°	504.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	996	
5°	897	80
15°	466	125
25°	74	40
35°	8	6
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	2
145°	8	6
155°	74	40
165°	466	125
175°	897	80
180°	996	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	996
1°	985
2°	965
3°	943
4°	921
5°	897
6°	869
7°	837
8°	797
9°	754
10°	709
11°	660
12°	609
13°	560
14°	512
15°	466
16°	420
17°	373
18°	325
19°	278
20°	232
21°	190
22°	154
23°	123
24°	95
25°	74
26°	58
27°	43
28°	34
29°	25
30°	20
32.5°	12
35°	8
37.5°	5
40°	4
42.5°	3
45°	2
47.5°	1
50°	1
52.5°	0
55°	0
57.5°	0
60°	0
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°	0
122.5°	0
125°	0
127.5°	0
130°	1
132.5°	1
135°	2
137.5°	3
140°	4
142.5°	5
145°	8
147.5°	12
150°	20
151°	25
152°	34
153°	43
154°	58
155°	74
156°	95
157°	123
158°	154
159°	190
160°	232
161°	278



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	325
163°	373
164°	420
165°	466
166°	512
167°	560
168°	609
169°	660
170°	709
171°	754
172°	797
173°	837
174°	869
175°	897
176°	921
177°	943
178°	965
179°	985
180°	996

(END OF REPORT)