

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: P277777

Luminaire Tested: **203-SS-8LED3036-12-CS-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277777  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-44)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3036-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-36D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

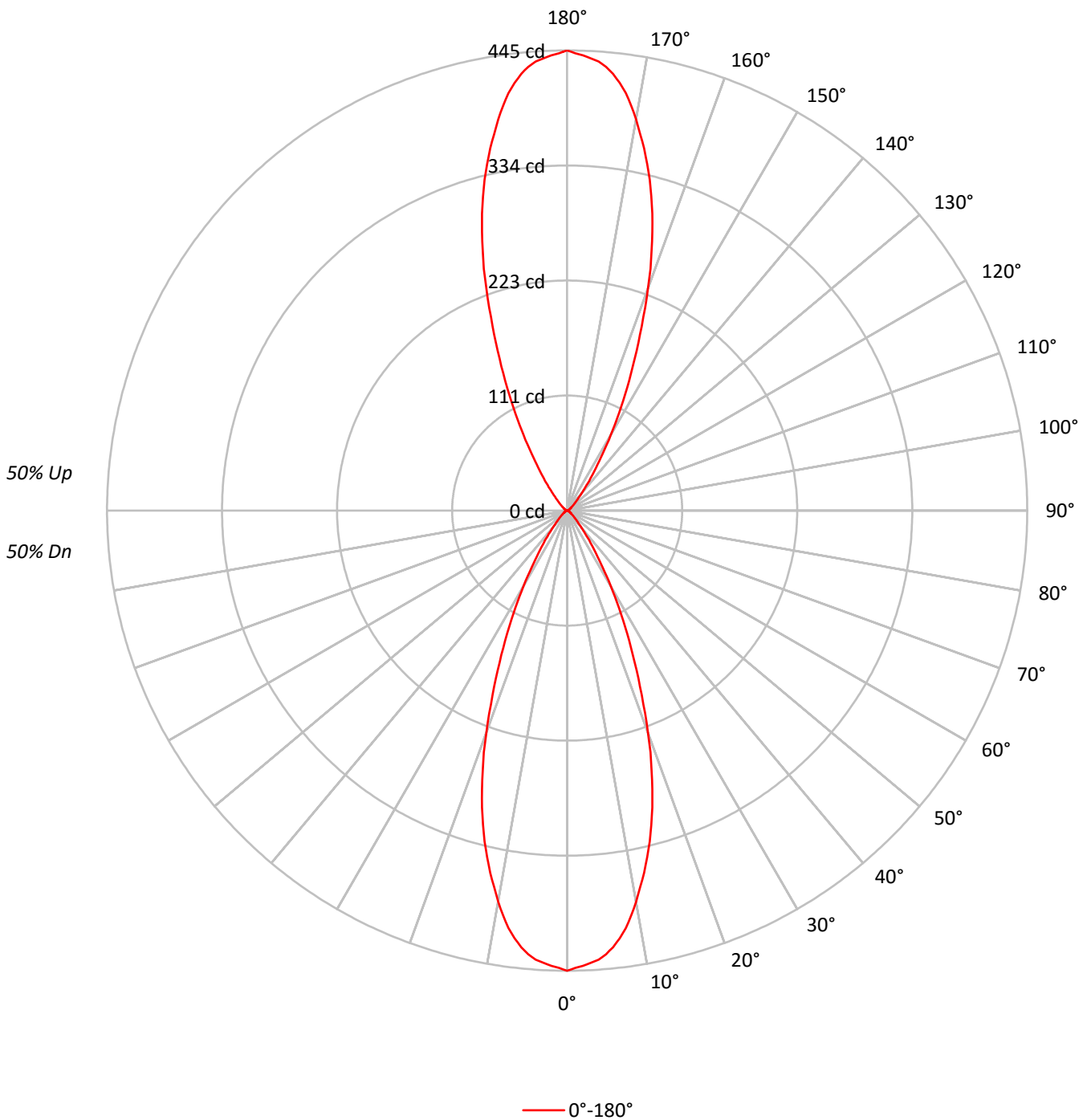
Lumens per Lamp: N/A  
Luminaire Lumens: 476.4 lumens  
Efficiency: N/A  
Efficacy: 31.1 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.3  
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	91	93	90	87	85	77	75	73		65	64	63		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	59	57		51	50	49	44
3	88	81	75	70	81	75	71	67	66	62	59		56	54	52		48	47	45	42
4	82	74	68	63	77	69	64	60	61	57	54		53	50	48		46	44	43	39
5	77	68	62	57	72	64	59	55	57	53	50		50	47	45		43	42	40	37
6	73	63	57	52	68	60	54	50	53	49	46		47	44	42		41	39	38	35
7	69	59	53	48	64	56	50	46	50	46	43		45	41	39		39	37	36	33
8	65	55	49	44	61	52	47	43	47	43	40		42	39	37		38	35	34	32
9	62	52	46	41	58	49	44	40	45	40	37		40	37	35		36	34	32	30
10	58	49	43	39	55	46	41	38	42	38	35		38	35	33		34	32	31	29

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

	0°
0°	219554
5°	213360
10°	192330
15°	160744
20°	120077
25°	79643
30°	47969
35°	26140
40°	13719
45°	8024
50°	5450
55°	3785
60°	2664
65°	2101
70°	2597
75°	1716
80°	2557
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.6	8.3
10°-20°	86.0	18.0
20°-30°	67.1	14.1
30°-40°	28.7	6.0
40°-50°	9.5	2.0
50°-60°	4.0	0.8
60°-70°	2.1	0.4
70°-80°	1.1	0.2
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	1.1	0.2
110°-120°	2.1	0.4
120°-130°	4.0	0.8
130°-140°	9.5	2.0
140°-150°	28.7	6.0
150°-160°	67.1	14.1
160°-170°	86.0	18.0
170°-180°	39.6	8.3
0°-30°	192.7	40.4
0°-40°	221.4	46.5
0°-60°	234.9	49.3
0°-90°	238.2	50.0
90°-120°	3.3	0.7
90°-150°	45.5	9.6
90°-180°	238.0	50.0
0°-180°	476.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	445	
5°	431	40
15°	315	86
25°	146	67
35°	43	29
45°	12	9
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	4	4
135°	12	9
145°	43	29
155°	146	67
165°	315	86
175°	431	40
180°	445	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	445.0
1°	442.4
2°	440.6
3°	437.9
4°	435.3
5°	430.8
6°	424.6
7°	416.7
8°	407.8
9°	396.3
10°	383.9
11°	370.6
12°	358.1
13°	344.0
14°	329.8
15°	314.7
16°	298.7
17°	281.9
18°	264.2
19°	247.3
20°	228.7
21°	210.1
22°	192.4
23°	176.4
24°	160.5
25°	146.3
26°	132.1
27°	118.8
28°	106.4
29°	94.9
30°	84.2
32.5°	60.3
35°	43.4
37.5°	31.0
40°	21.3
42.5°	15.1
45°	11.5
47.5°	8.9
50°	7.1
52.5°	5.3
55°	4.4
57.5°	3.5
60°	2.7
62.5°	2.7
65°	1.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.8
70°	1.8
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	1.8
112.5°	1.8
115°	1.8
117.5°	2.7
120°	2.7
122.5°	3.5
125°	4.4
127.5°	5.3
130°	7.1
132.5°	8.9
135°	11.5
137.5°	15.1
140°	21.3
142.5°	31.0
145°	43.4
147.5°	60.3
150°	84.2
151°	94.9
152°	106.4
153°	118.8
154°	132.1
155°	146.3
156°	160.5
157°	176.4
158°	192.4
159°	210.1
160°	228.7
161°	247.3



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	264.2
163°	281.9
164°	298.7
165°	314.7
166°	329.8
167°	344.0
168°	358.1
169°	370.6
170°	383.9
171°	396.3
172°	407.8
173°	416.7
174°	424.6
175°	430.8
176°	435.3
177°	437.9
178°	440.6
179°	442.4
180°	445.0

(END OF REPORT)