

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: P277772

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277772  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-32)  
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-BK-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS  
Light Source: (1) SORAA 3000K 95 CRI LED  
SM16-07-36D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

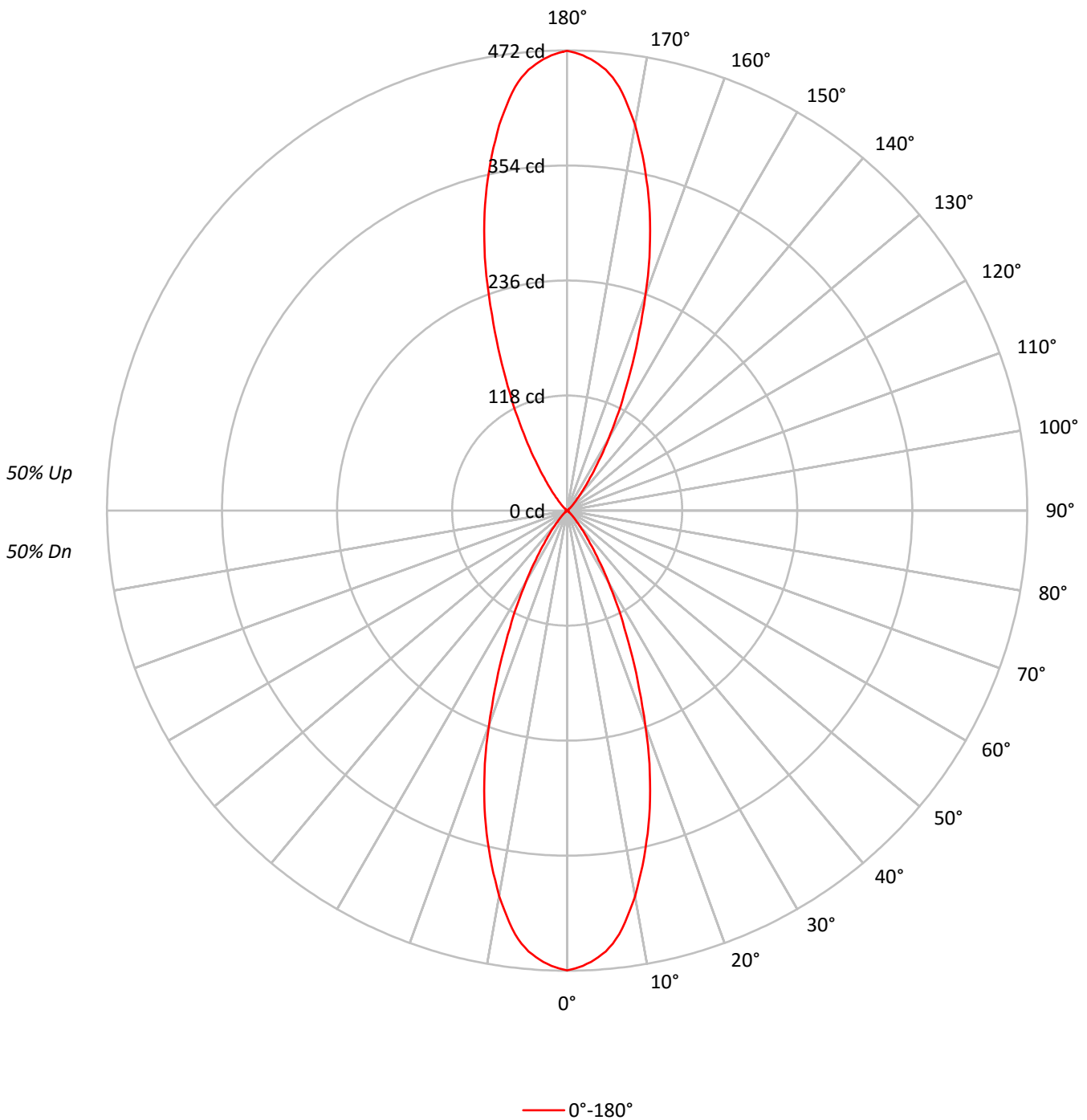
Lumens per Lamp: N/A  
Luminaire Lumens: 468.6 lumens  
Efficiency: N/A  
Efficacy: 30.2 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.5  
Input Voltage (V): NR  
Input Current (Ain): 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	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		40	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°	232678
5°	224800
10°	201198
15°	166158
20°	123333
25°	81059
30°	48482
35°	24574
40°	11400
45°	4954
50°	2072
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	8.9
10°-20°	88.9	19.0
20°-30°	68.5	14.6
30°-40°	27.6	5.9
40°-50°	6.3	1.3
50°-60°	1.2	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°	1.2	0.3
130°-140°	6.3	1.3
140°-150°	27.6	5.9
150°-160°	68.5	14.6
160°-170°	88.9	19.0
170°-180°	41.6	8.9
0°-30°	199.1	42.5
0°-40°	226.7	48.4
0°-60°	234.2	50.0
0°-90°	234.3	50.0
90°-120°	0.1	0.0
90°-150°	35.2	7.5
90°-180°	234.0	49.9
0°-180°	468.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	472	
5°	454	42
15°	325	89
25°	149	69
35°	41	28
45°	7	6
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°	7	6
145°	41	28
155°	149	69
165°	325	89
175°	454	42
180°	472	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	471.6
1°	469.8
2°	467.2
3°	463.6
4°	459.2
5°	453.9
6°	446.8
7°	437.9
8°	426.4
9°	414.0
10°	401.6
11°	386.5
12°	372.3
13°	356.4
14°	341.3
15°	325.3
16°	308.5
17°	290.8
18°	273.0
19°	254.4
20°	234.9
21°	215.4
22°	197.7
23°	180.8
24°	164.9
25°	148.9
26°	133.9
27°	121.4
28°	108.2
29°	95.7
30°	85.1
32.5°	60.3
35°	40.8
37.5°	28.4
40°	17.7
42.5°	11.5
45°	7.1
47.5°	4.4
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
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°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.9
122.5°	0.9
125°	0.9
127.5°	1.8
130°	2.7
132.5°	4.4
135°	7.1
137.5°	11.5
140°	17.7
142.5°	28.4
145°	40.8
147.5°	60.3
150°	85.1
151°	95.7
152°	108.2
153°	121.4
154°	133.9
155°	148.9
156°	164.9
157°	180.8
158°	197.7
159°	215.4
160°	234.9
161°	254.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	273.0
163°	290.8
164°	308.5
165°	325.3
166°	341.3
167°	356.4
168°	372.3
169°	386.5
170°	401.6
171°	414.0
172°	426.4
173°	437.9
174°	446.8
175°	453.9
176°	459.2
177°	463.6
178°	467.2
179°	469.8
180°	471.6

(END OF REPORT)