

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: P277771

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277771
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK
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: 654.5 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

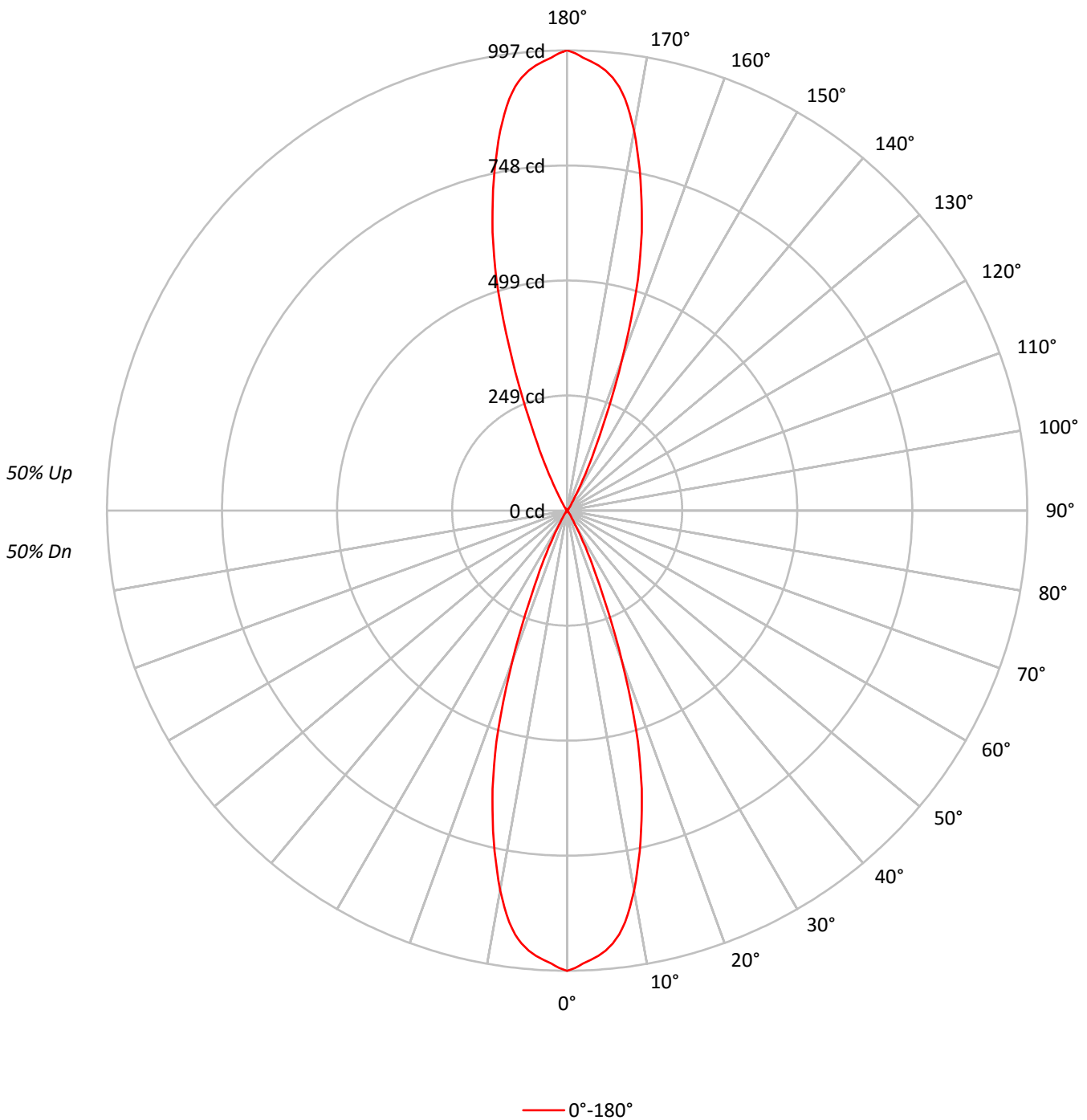
Input Watts (W): 15.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	92	93	91	88	86	77	76	75	65	64	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	60	59	52	51	51	46				
3	89	83	78	73	83	78	73	70	68	65	62	59	57	55	51	49	48	45				
4	85	77	71	67	79	72	68	64	64	61	58	56	54	52	49	47	46	43				
5	80	72	66	62	75	68	63	59	60	57	54	54	51	49	47	46	44	42				
6	76	67	61	57	71	64	59	55	57	54	51	51	49	47	46	44	43	40				
7	72	63	58	54	68	60	55	52	55	51	48	49	47	45	44	42	41	39				
8	69	60	54	50	65	57	52	49	52	48	46	47	45	43	43	41	40	38				
9	66	57	51	48	62	54	50	46	50	46	43	45	43	41	41	40	38	36				
10	63	54	49	45	60	52	47	44	48	44	42	44	41	39	40	38	37	35				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	492047
5°	474166
10°	418828
15°	318780
20°	182453
25°	69953
30°	16692
35°	5903
40°	2254
45°	1256
50°	691
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°	87.7	13.4
10°-20°	166.1	25.4
20°-30°	63.9	9.8
30°-40°	7.2	1.1
40°-50°	1.4	0.2
50°-60°	0.8	0.1
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°	0.8	0.1
130°-140°	1.4	0.2
140°-150°	7.2	1.1
150°-160°	63.9	9.8
160°-170°	166.1	25.4
170°-180°	87.7	13.4
0°-30°	317.7	48.5
0°-40°	324.9	49.6
0°-60°	327.1	50.0
0°-90°	327.2	50.0
90°-120°	0.1	0.0
90°-150°	9.5	1.5
90°-180°	327.0	50.0
0°-180°	654.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	997	
5°	957	88
15°	624	166
25°	128	64
35°	10	7
45°	2	1
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°	2	1
145°	10	7
155°	128	64
165°	624	166
175°	957	88
180°	997	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	997.3
1°	991.1
2°	982.2
3°	975.1
4°	967.2
5°	957.4
6°	943.2
7°	925.5
8°	900.7
9°	869.7
10°	836.0
11°	796.1
12°	755.3
13°	712.7
14°	668.4
15°	624.1
16°	575.3
17°	523.9
18°	466.3
19°	406.0
20°	347.5
21°	292.5
22°	241.1
23°	195.0
24°	158.7
25°	128.5
26°	102.8
27°	74.5
28°	55.8
29°	40.8
30°	29.3
32.5°	16.0
35°	9.8
37.5°	5.3
40°	3.5
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
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°	0.9
130°	0.9
132.5°	0.9
135°	1.8
137.5°	2.7
140°	3.5
142.5°	5.3
145°	9.8
147.5°	16.0
150°	29.3
151°	40.8
152°	55.8
153°	74.5
154°	102.8
155°	128.5
156°	158.7
157°	195.0
158°	241.1
159°	292.5
160°	347.5
161°	406.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	466.3
163°	523.9
164°	575.3
165°	624.1
166°	668.4
167°	712.7
168°	755.3
169°	796.1
170°	836.0
171°	869.7
172°	900.7
173°	925.5
174°	943.2
175°	957.4
176°	967.2
177°	975.1
178°	982.2
179°	991.1
180°	997.3

(END OF REPORT)