

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: P277741

Luminaire Tested: **203-SS-8LED2736-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277741
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-8LED2736-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 673.9 lumens
Efficiency: N/A
Efficacy: 43.5 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

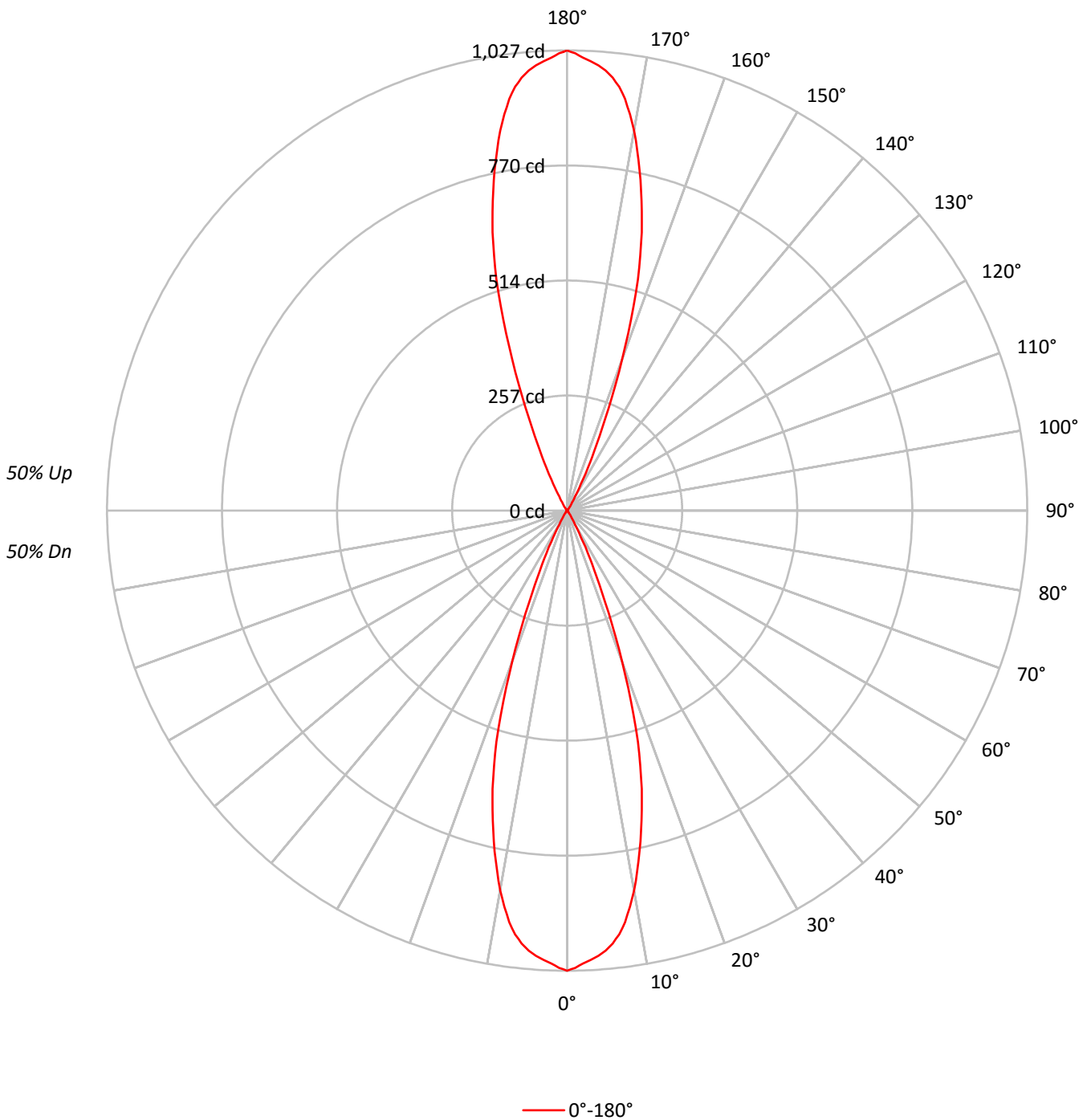
Input Watts (W): 15.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	506701
5°	488281
10°	431303
15°	328281
20°	187913
25°	72076
30°	17148
35°	6023
40°	2383
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°	90.3	13.4
10°-20°	171.0	25.4
20°-30°	65.9	9.8
30°-40°	7.4	1.1
40°-50°	1.5	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°	1.5	0.2
140°-150°	7.4	1.1
150°-160°	65.9	9.8
160°-170°	171.0	25.4
170°-180°	90.3	13.4
0°-30°	327.2	48.6
0°-40°	334.6	49.6
0°-60°	336.8	50.0
0°-90°	336.9	50.0
90°-120°	0.1	0.0
90°-150°	9.7	1.4
90°-180°	337.0	50.0
0°-180°	673.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1027	
5°	986	90
15°	643	171
25°	132	66
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°	132	66
165°	643	171
175°	986	90
180°	1027	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1027.0
1°	1020.6
2°	1011.5
3°	1004.2
4°	996.0
5°	985.9
6°	971.3
7°	953.1
8°	927.5
9°	895.5
10°	860.9
11°	819.8
12°	777.8
13°	734.0
14°	688.3
15°	642.7
16°	592.5
17°	539.5
18°	480.2
19°	418.1
20°	357.9
21°	301.3
22°	248.3
23°	200.8
24°	163.4
25°	132.4
26°	105.9
27°	76.7
28°	57.5
29°	42.0
30°	30.1
32.5°	16.4
35°	10.0
37.5°	5.5
40°	3.7
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°	3.7
142.5°	5.5
145°	10.0
147.5°	16.4
150°	30.1
151°	42.0
152°	57.5
153°	76.7
154°	105.9
155°	132.4
156°	163.4
157°	200.8
158°	248.3
159°	301.3
160°	357.9
161°	418.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	480.2
163°	539.5
164°	592.5
165°	642.7
166°	688.3
167°	734.0
168°	777.8
169°	819.8
170°	860.9
171°	895.5
172°	927.5
173°	953.1
174°	971.3
175°	985.9
176°	996.0
177°	1004.2
178°	1011.5
179°	1020.6
180°	1027.0

(END OF REPORT)