

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: P277801

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: P277801
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK
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: 738.2 lumens
Efficiency: N/A
Efficacy: 47.6 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

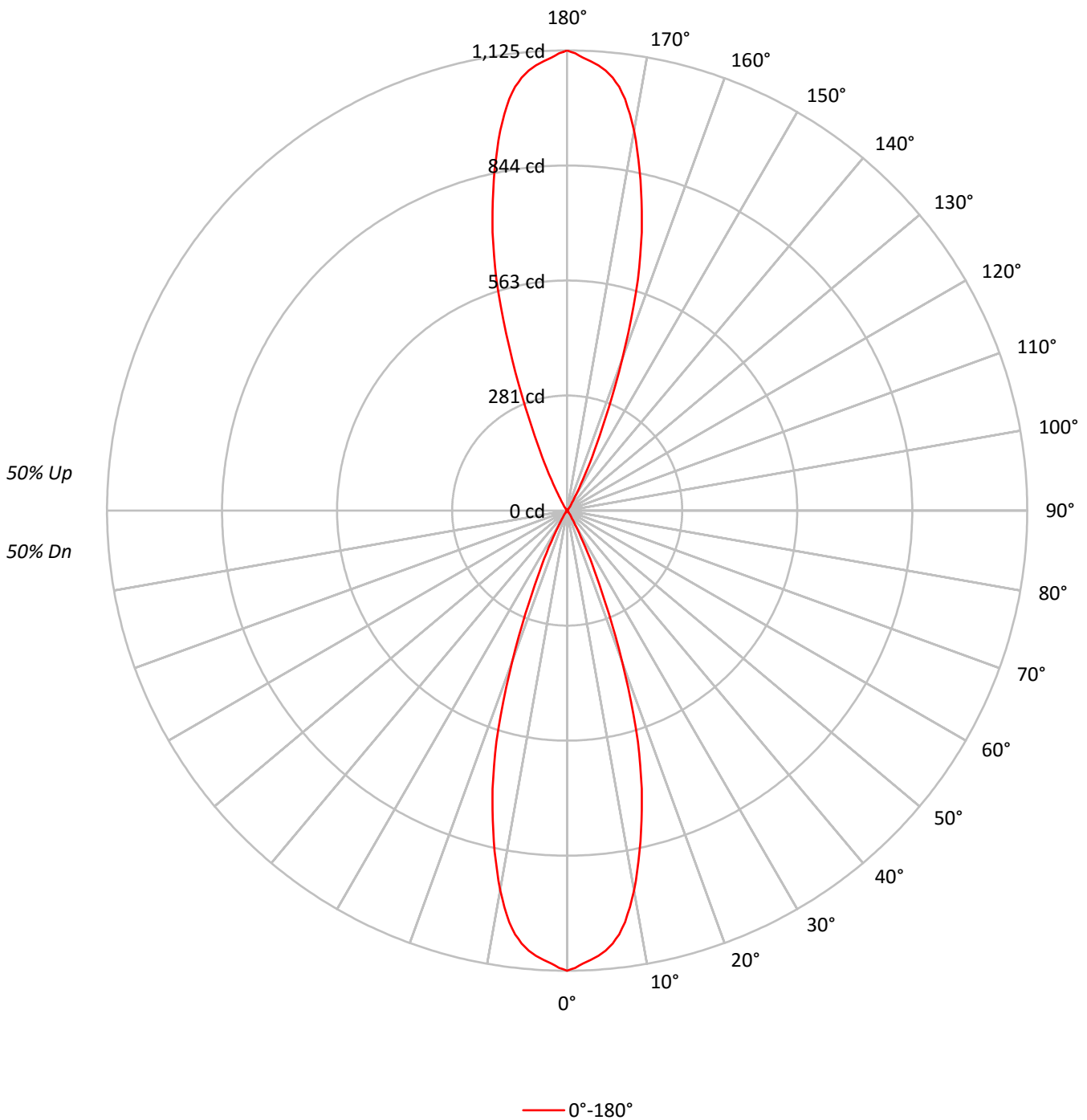
Input Watts (W): 15.5
Input Voltage (V): 12.0
Input Current (A_{in}): 0.682
Voltage Rise (V): NR
Power Factor: 0.9909
Total Harmonic Distortion (THDi): 27.3%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.0
Test Distance: 25 FT



TEST NUMBER: P277801

CATALOG NUMBER: 203-SS-8LED4036-12-BK

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°	555052
5°	534885
10°	472434
15°	359592
20°	205817
25°	78936
30°	18800
35°	6625
40°	2576
45°	1395
50°	768
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	13.4
10°-20°	187.4	25.4
20°-30°	72.1	9.8
30°-40°	8.1	1.1
40°-50°	1.6	0.2
50°-60°	0.9	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°	0.9	0.1
130°-140°	1.6	0.2
140°-150°	8.1	1.1
150°-160°	72.1	9.8
160°-170°	187.4	25.4
170°-180°	98.9	13.4
0°-30°	358.4	48.6
0°-40°	366.5	49.6
0°-60°	369.0	50.0
0°-90°	369.1	50.0
90°-120°	0.1	0.0
90°-150°	10.7	1.4
90°-180°	369.0	50.0
0°-180°	738.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1125	
5°	1080	99
15°	704	187
25°	145	72
35°	11	8
45°	2	2
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	2
145°	11	8
155°	145	72
165°	704	187
175°	1080	99
180°	1125	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1125
1°	1118
2°	1108
3°	1100
4°	1091
5°	1080
6°	1064
7°	1044
8°	1016
9°	981
10°	943
11°	898
12°	852
13°	804
14°	754
15°	704
16°	649
17°	591
18°	526
19°	458
20°	392
21°	330
22°	272
23°	220
24°	179
25°	145
26°	116
27°	84
28°	63
29°	46
30°	33
32.5°	18
35°	11
37.5°	6
40°	4
42.5°	3
45°	2
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
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°	1
122.5°	1
125°	1
127.5°	1
130°	1
132.5°	1
135°	2
137.5°	3
140°	4
142.5°	6
145°	11
147.5°	18
150°	33
151°	46
152°	63
153°	84
154°	116
155°	145
156°	179
157°	220
158°	272
159°	330
160°	392
161°	458



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CANDELA DISTRIBUTION (continued):

	0°
162°	526
163°	591
164°	649
165°	704
166°	754
167°	804
168°	852
169°	898
170°	943
171°	981
172°	1016
173°	1044
174°	1064
175°	1080
176°	1091
177°	1100
178°	1108
179°	1118
180°	1125

(END OF REPORT)