

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: P277810

Luminaire Tested: **203-SS-8LED4036-12-CS-OSL**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: P277810
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)
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-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

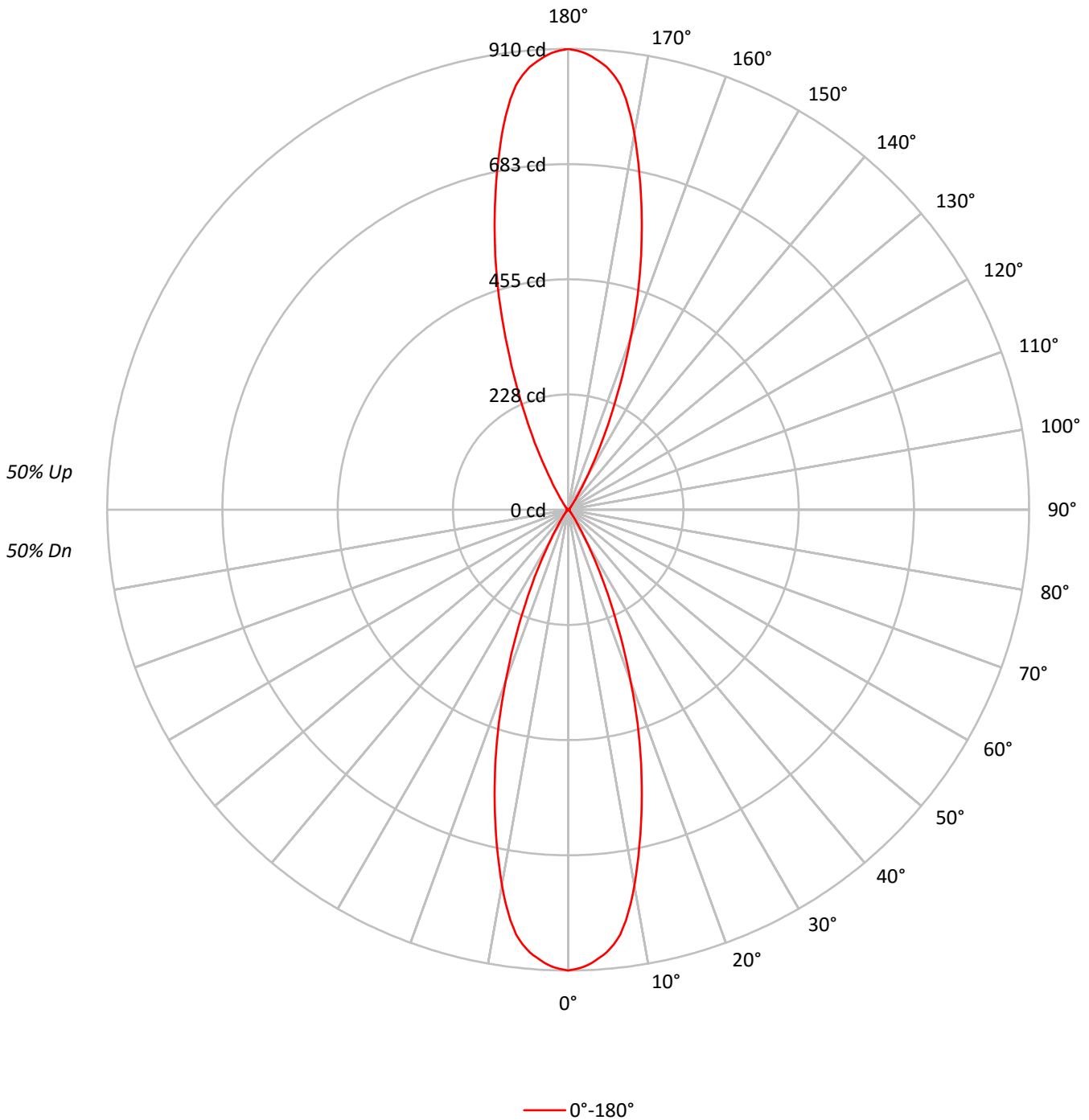
Lumens per Lamp: N/A
Luminaire Lumens: 697.2 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.3
Input Voltage (V): 12.0
Input Current (A_{in}): 0.671
Voltage Rise (V): NR
Power Factor: 0.9903
Total Harmonic Distortion (THDi): 27.5%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.2
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	97	95	92	93	90	88	86	77	76	74	65	64	63	54	53	53	48				
2	94	89	85	81	87	83	79	76	72	69	67	61	60	58	52	51	50	46				
3	89	82	77	72	83	77	72	68	67	64	61	58	56	54	50	48	47	43				
4	84	76	70	65	78	71	66	62	63	59	56	55	52	50	48	46	45	42				
5	79	70	64	60	74	66	61	57	59	55	52	52	49	47	46	44	43	40				
6	75	66	60	55	70	62	57	53	56	52	49	50	47	45	44	42	41	38				
7	71	62	56	51	67	59	53	50	53	49	46	47	45	42	42	40	39	37				
8	67	58	52	48	63	55	50	46	50	46	43	45	42	40	41	39	37	35				
9	64	55	49	45	61	52	47	44	48	44	41	43	40	38	39	37	36	34				
10	61	52	46	43	58	50	45	41	46	42	39	42	39	37	38	36	34	33				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	448975
5°	434347
10°	377246
15°	286550
20°	189541
25°	102344
30°	40449
35°	14455
40°	7085
45°	4186
50°	3070
55°	2581
60°	1974
65°	2335
70°	1443
75°	1906
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	11.5
10°-20°	152.7	21.9
20°-30°	87.4	12.5
30°-40°	18.0	2.6
40°-50°	5.1	0.7
50°-60°	2.9	0.4
60°-70°	1.6	0.2
70°-80°	0.9	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.1
110°-120°	1.6	0.2
120°-130°	2.9	0.4
130°-140°	5.1	0.7
140°-150°	18.0	2.6
150°-160°	87.4	12.5
160°-170°	152.7	21.9
170°-180°	80.0	11.5
0°-30°	320.1	45.9
0°-40°	338.1	48.5
0°-60°	346.1	49.6
0°-90°	348.6	50.0
90°-120°	2.5	0.4
90°-150°	28.5	4.1
90°-180°	349.0	50.1
0°-180°	697.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	910	
5°	877	80
15°	561	153
25°	188	87
35°	24	18
45°	6	5
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	6	5
145°	24	18
155°	188	87
165°	561	153
175°	877	80
180°	910	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	910
1°	907
2°	903
3°	896
4°	887
5°	877
6°	863
7°	845
8°	819
9°	788
10°	753
11°	715
12°	677
13°	639
14°	600
15°	561
16°	522
17°	482
18°	443
19°	402
20°	361
21°	323
22°	287
23°	251
24°	218
25°	188
26°	161
27°	135
28°	111
29°	89
30°	71
32.5°	39
35°	24
37.5°	15
40°	11
42.5°	8
45°	6
47.5°	5
50°	4
52.5°	4
55°	3
57.5°	3
60°	2
62.5°	2
65°	2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	1
105°	1
107.5°	1
110°	1
112.5°	1
115°	2
117.5°	2
120°	2
122.5°	3
125°	3
127.5°	4
130°	4
132.5°	5
135°	6
137.5°	8
140°	11
142.5°	15
145°	24
147.5°	39
150°	71
151°	89
152°	111
153°	135
154°	161
155°	188
156°	218
157°	251
158°	287
159°	323
160°	361
161°	402



TEST NUMBER: P277810

CATALOG NUMBER: 203-SS-8LED4036-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	0°
162°	443
163°	482
164°	522
165°	561
166°	600
167°	639
168°	677
169°	715
170°	753
171°	788
172°	819
173°	845
174°	863
175°	877
176°	887
177°	896
178°	903
179°	907
180°	910

(END OF REPORT)