

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: P277805

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: P277805
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-35)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 95 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

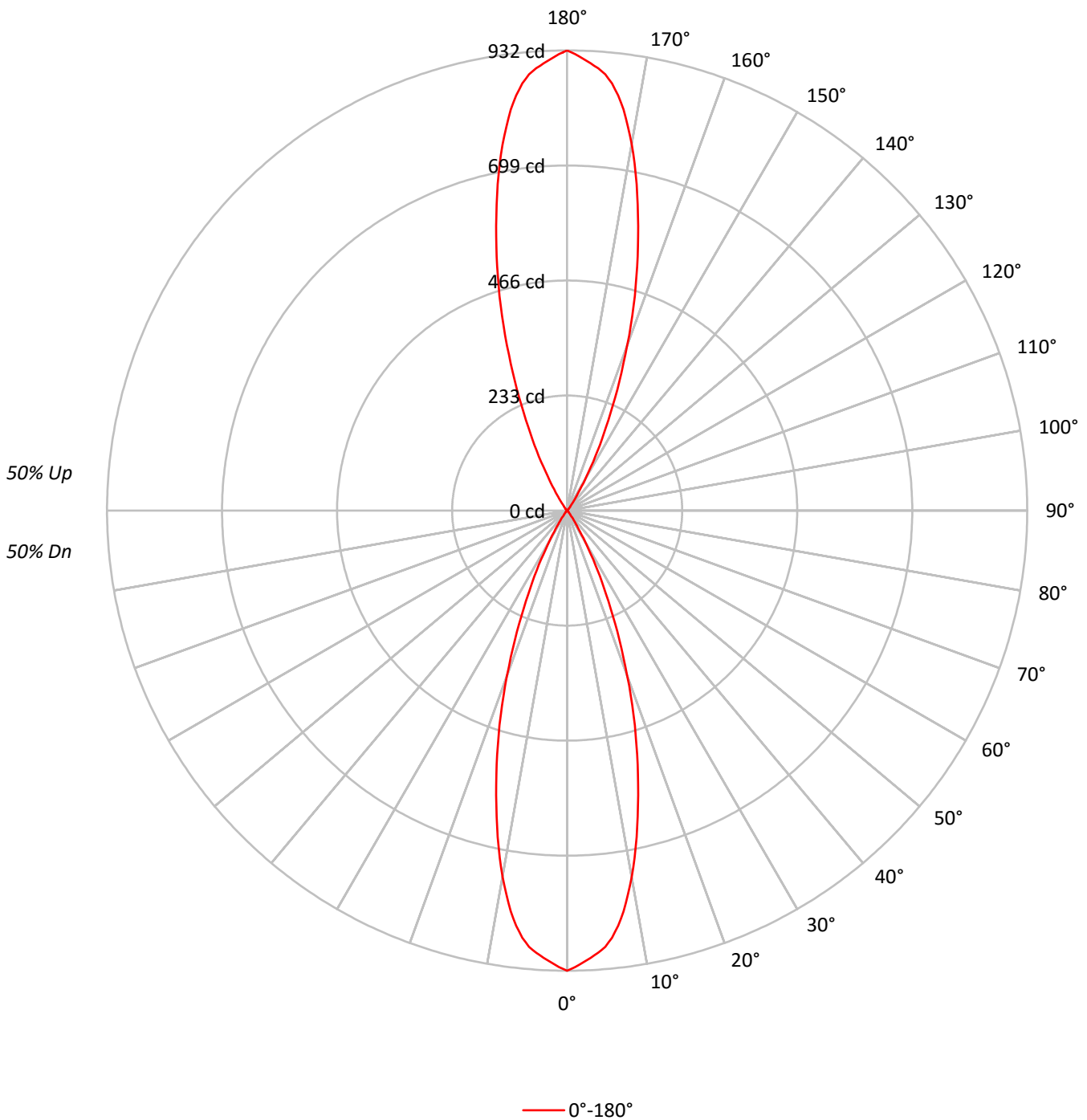
Lumens per Lamp: N/A
Luminaire Lumens: 675.6 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.56
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.5
Input Voltage (V): 12.0
Input Current (A_{in}): 0.680
Voltage Rise (V): NR
Power Factor: 0.9908
Total Harmonic Distortion (THDi): 27.3%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 24.9
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	101	97	95	92	93	90	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67		62	60	59		52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62		58	56	55		50	49	48	44
4	84	76	70	66	78	72	67	63	63	60	57		55	53	51		48	47	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	66	60	56	70	63	58	54	56	52	50		50	48	45		45	43	41	39
7	71	62	56	52	67	59	54	50	53	50	47		48	45	43		43	41	40	37
8	68	59	53	49	64	56	51	47	51	47	44		46	43	41		41	39	38	36
9	65	55	50	46	61	53	48	45	48	45	42		44	41	39		40	38	37	35
10	62	53	47	43	58	50	45	42	46	42	40		42	39	37		39	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	459830
5°	439299
10°	377246
15°	282974
20°	186916
25°	101800
30°	41019
35°	12046
40°	4508
45°	2093
50°	768
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	11.9
10°-20°	151.3	22.4
20°-30°	86.9	12.9
30°-40°	16.0	2.4
40°-50°	2.5	0.4
50°-60°	0.8	0.1
60°-70°	0.0	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°	0.0	0.0
120°-130°	0.8	0.1
130°-140°	2.5	0.4
140°-150°	16.0	2.4
150°-160°	86.9	12.9
160°-170°	151.3	22.4
170°-180°	80.4	11.9
0°-30°	318.6	47.2
0°-40°	334.6	49.5
0°-60°	337.8	50.0
0°-90°	337.8	50.0
90°-120°	0.0	0.0
90°-150°	19.2	2.8
90°-180°	338.0	50.0
0°-180°	675.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	932	
5°	887	80
15°	554	151
25°	187	87
35°	20	16
45°	3	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°	3	2
145°	20	16
155°	187	87
165°	554	151
175°	887	80
180°	932	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	932
1°	925
2°	916
3°	907
4°	898
5°	887
6°	870
7°	847
8°	820
9°	787
10°	753
11°	716
12°	676
13°	636
14°	594
15°	554
16°	514
17°	475
18°	436
19°	396
20°	356
21°	318
22°	283
23°	248
24°	216
25°	187
26°	161
27°	136
28°	112
29°	90
30°	72
32.5°	36
35°	20
37.5°	11
40°	7
42.5°	4
45°	3
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	1
60°	0
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°	0
122.5°	1
125°	1
127.5°	1
130°	1
132.5°	2
135°	3
137.5°	4
140°	7
142.5°	11
145°	20
147.5°	36
150°	72
151°	90
152°	112
153°	136
154°	161
155°	187
156°	216
157°	248
158°	283
159°	318
160°	356
161°	396



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CANDELA DISTRIBUTION (continued):

	0°
162°	436
163°	475
164°	514
165°	554
166°	594
167°	636
168°	676
169°	716
170°	753
171°	787
172°	820
173°	847
174°	870
175°	887
176°	898
177°	907
178°	916
179°	925
180°	932

(END OF REPORT)