

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: P277780

Luminaire Tested: **203-SS-8LED3036-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277780
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)
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-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

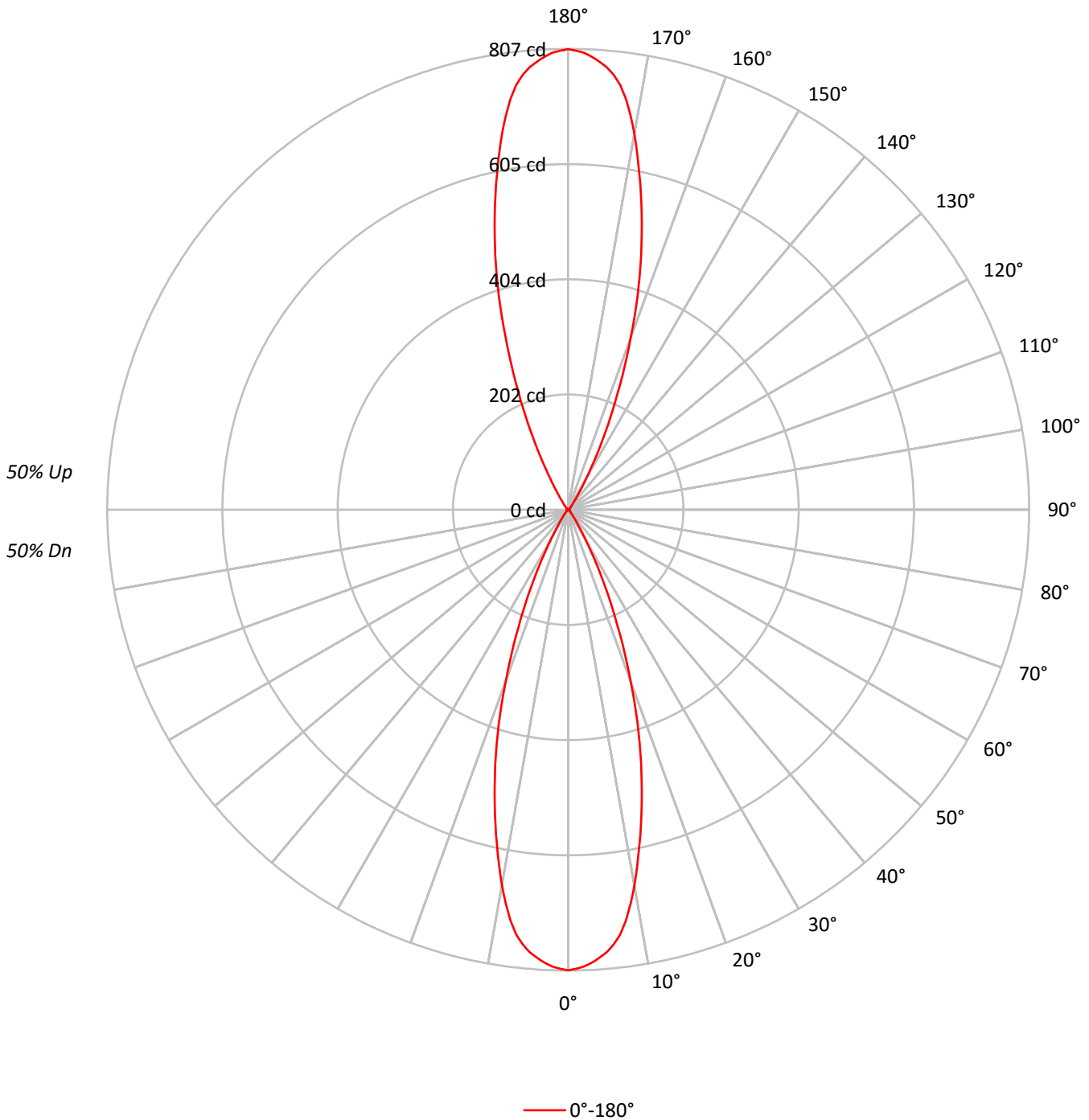
Lumens per Lamp: N/A
Luminaire Lumens: 618.1 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.3
Input Voltage (V): 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	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°	398009
5°	385068
10°	334411
15°	254013
20°	168014
25°	90749
30°	35834
35°	12829
40°	6312
45°	3698
50°	2686
55°	2322
60°	1776
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	11.5
10°-20°	135.4	21.9
20°-30°	77.5	12.5
30°-40°	16.0	2.6
40°-50°	4.5	0.7
50°-60°	2.6	0.4
60°-70°	1.4	0.2
70°-80°	0.8	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.8	0.1
110°-120°	1.4	0.2
120°-130°	2.6	0.4
130°-140°	4.5	0.7
140°-150°	16.0	2.6
150°-160°	77.5	12.5
160°-170°	135.4	21.9
170°-180°	70.9	11.5
0°-30°	283.8	45.9
0°-40°	299.7	48.5
0°-60°	306.8	49.6
0°-90°	309.1	50.0
90°-120°	2.3	0.4
90°-150°	25.3	4.1
90°-180°	309.0	50.0
0°-180°	618.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	807	
5°	778	71
15°	497	135
25°	167	78
35°	21	16
45°	5	4
55°	3	3
65°	2	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	1
125°	3	3
135°	5	4
145°	21	16
155°	167	78
165°	497	135
175°	778	71
180°	807	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	806.7
1°	804.1
2°	800.5
3°	794.3
4°	786.3
5°	777.5
6°	765.0
7°	749.1
8°	726.0
9°	698.6
10°	667.5
11°	633.8
12°	600.2
13°	566.5
14°	531.9
15°	497.3
16°	462.8
17°	427.3
18°	392.7
19°	356.4
20°	320.0
21°	286.3
22°	254.4
23°	222.5
24°	193.3
25°	166.7
26°	142.7
27°	119.7
28°	98.4
29°	78.9
30°	62.9
32.5°	34.6
35°	21.3
37.5°	13.3
40°	9.8
42.5°	7.1
45°	5.3
47.5°	4.4
50°	3.5
52.5°	3.5
55°	2.7
57.5°	2.7
60°	1.8
62.5°	1.8
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
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°	0.9
105°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	1.8
117.5°	1.8
120°	1.8
122.5°	2.7
125°	2.7
127.5°	3.5
130°	3.5
132.5°	4.4
135°	5.3
137.5°	7.1
140°	9.8
142.5°	13.3
145°	21.3
147.5°	34.6
150°	62.9
151°	78.9
152°	98.4
153°	119.7
154°	142.7
155°	166.7
156°	193.3
157°	222.5
158°	254.4
159°	286.3
160°	320.0
161°	356.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	392.7
163°	427.3
164°	462.8
165°	497.3
166°	531.9
167°	566.5
168°	600.2
169°	633.8
170°	667.5
171°	698.6
172°	726.0
173°	749.1
174°	765.0
175°	777.5
176°	786.3
177°	794.3
178°	800.5
179°	804.1
180°	806.7

(END OF REPORT)