

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: P277770

Luminaire Tested: **203-SS-8LED3025-12-CS-OSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277770  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3025-12-CS-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-25D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

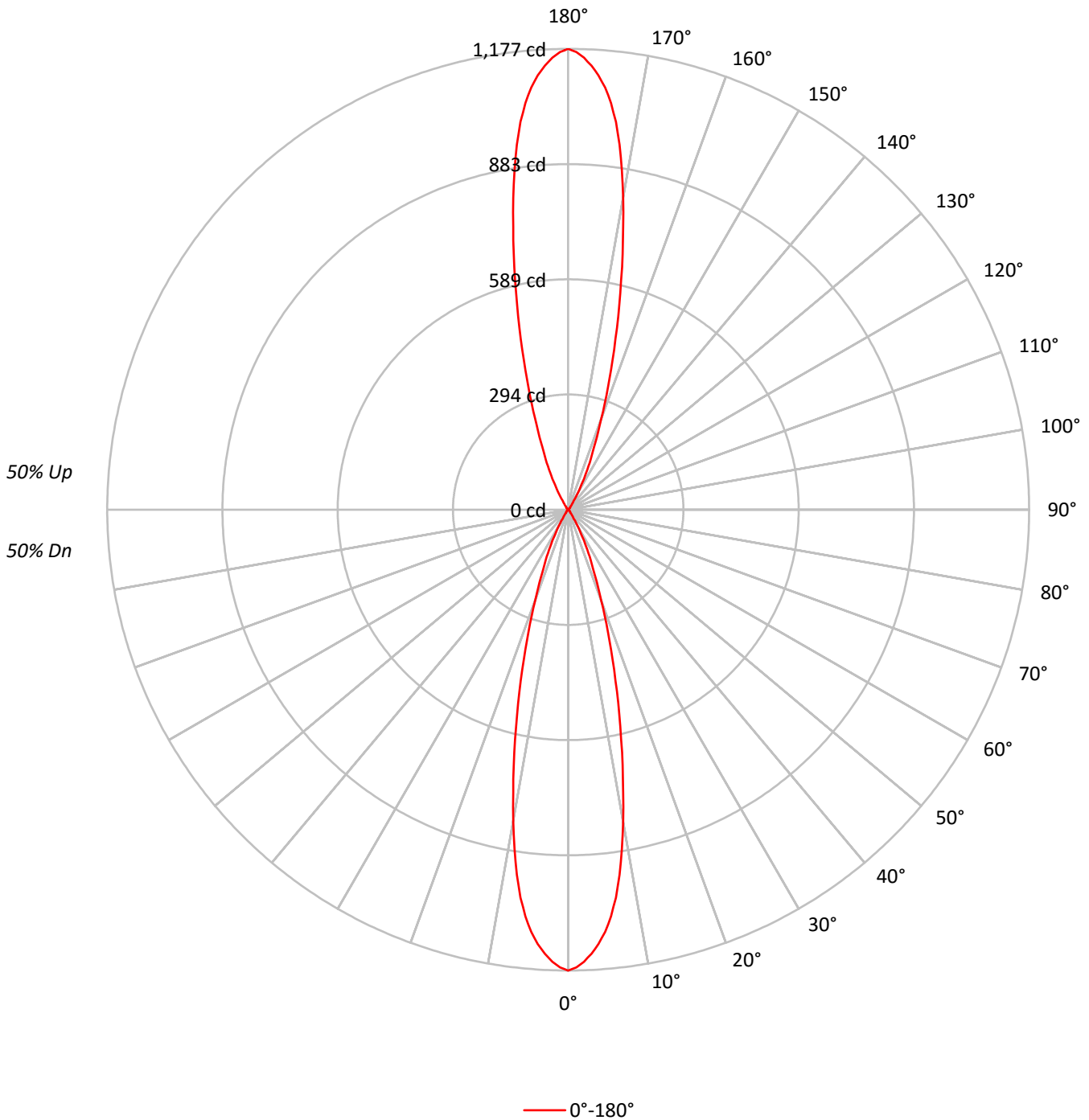
Lumens per Lamp: N/A  
Luminaire Lumens: 605.0 lumens  
Efficiency: N/A  
Efficacy: 40.1 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.1  
Input Voltage (V): NR  
Input Current (Ain): 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



TEST NUMBER: P277770  
CATALOG NUMBER: 203-SS-8LED3025-12-CS-OSL

### Luminous Intensity Polar Plot





TEST NUMBER: P277770

CATALOG NUMBER: 203-SS-8LED3025-12-CS-OSL

**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	98	95	92	93	91	88	86	77	76	74		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	77	73	83	77	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	49	47		45	44	42	40
7	72	63	57	53	68	60	55	52	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	49	52	48	46		47	44	42		43	41	39	38
9	66	57	51	47	62	54	49	46	50	46	43		45	43	41		41	39	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°	580856
5°	536074
10°	405051
15°	245432
20°	129843
25°	66578
30°	26263
35°	9095
40°	4573
45°	3070
50°	2686
55°	2322
60°	1776
65°	1051
70°	1298
75°	0
80°	0
85°	0



TEST NUMBER: P277770

CATALOG NUMBER: 203-SS-8LED3025-12-CS-OSL

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	15.6
10°-20°	132.2	21.8
20°-30°	57.2	9.4
30°-40°	11.4	1.9
40°-50°	3.5	0.6
50°-60°	2.2	0.4
60°-70°	1.0	0.2
70°-80°	0.4	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.1
110°-120°	1.0	0.2
120°-130°	2.2	0.4
130°-140°	3.5	0.6
140°-150°	11.4	1.9
150°-160°	57.2	9.4
160°-170°	132.2	21.8
170°-180°	94.6	15.6
0°-30°	284.0	46.9
0°-40°	295.4	48.8
0°-60°	301.1	49.8
0°-90°	302.5	50.0
90°-120°	1.6	0.3
90°-150°	18.7	3.1
90°-180°	303.0	50.1
0°-180°	605.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1177	
5°	1082	95
15°	480	132
25°	122	57
35°	15	11
45°	4	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	1
125°	3	2
135°	4	4
145°	15	11
155°	122	57
165°	480	132
175°	1082	95
180°	1177	

TEST NUMBER: P277770

CATALOG NUMBER: 203-SS-8LED3025-12-CS-OSL

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1177.3
1°	1169.3
2°	1155.1
3°	1135.6
4°	1111.7
5°	1082.4
6°	1044.3
7°	998.2
8°	941.5
9°	877.6
10°	808.5
11°	736.7
12°	667.5
13°	601.9
14°	539.0
15°	480.5
16°	424.6
17°	374.1
18°	328.9
19°	285.5
20°	247.3
21°	213.6
22°	185.3
23°	161.3
24°	141.0
25°	122.3
26°	104.6
27°	88.6
28°	72.7
29°	58.5
30°	46.1
32.5°	23.9
35°	15.1
37.5°	9.8
40°	7.1
42.5°	5.3
45°	4.4
47.5°	3.5
50°	3.5
52.5°	2.7
55°	2.7
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9

TEST NUMBER: P277770

CATALOG NUMBER: 203-SS-8LED3025-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
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°	0.9
110°	0.9
112.5°	0.9
115°	0.9
117.5°	0.9
120°	1.8
122.5°	1.8
125°	2.7
127.5°	2.7
130°	3.5
132.5°	3.5
135°	4.4
137.5°	5.3
140°	7.1
142.5°	9.8
145°	15.1
147.5°	23.9
150°	46.1
151°	58.5
152°	72.7
153°	88.6
154°	104.6
155°	122.3
156°	141.0
157°	161.3
158°	185.3
159°	213.6
160°	247.3
161°	285.5



TEST NUMBER: P277770

CATALOG NUMBER: 203-SS-8LED3025-12-CS-OSL

**CANDELA DISTRIBUTION (continued):**

	0°
162°	328.9
163°	374.1
164°	424.6
165°	480.5
166°	539.0
167°	601.9
168°	667.5
169°	736.7
170°	808.5
171°	877.6
172°	941.5
173°	998.2
174°	1044.3
175°	1082.4
176°	1111.7
177°	1135.6
178°	1155.1
179°	1169.3
180°	1177.3

(END OF REPORT)