

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: P277736

Luminaire Tested: **203-SS-8LED2725-12-CS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277736  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED2725-12-CS  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER  
Light Source: (1) SORAA 2700K 90 CRI LED  
SM16-07-25D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 660.5 lumens  
Efficiency: N/A  
Efficacy: 44.9 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.34  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

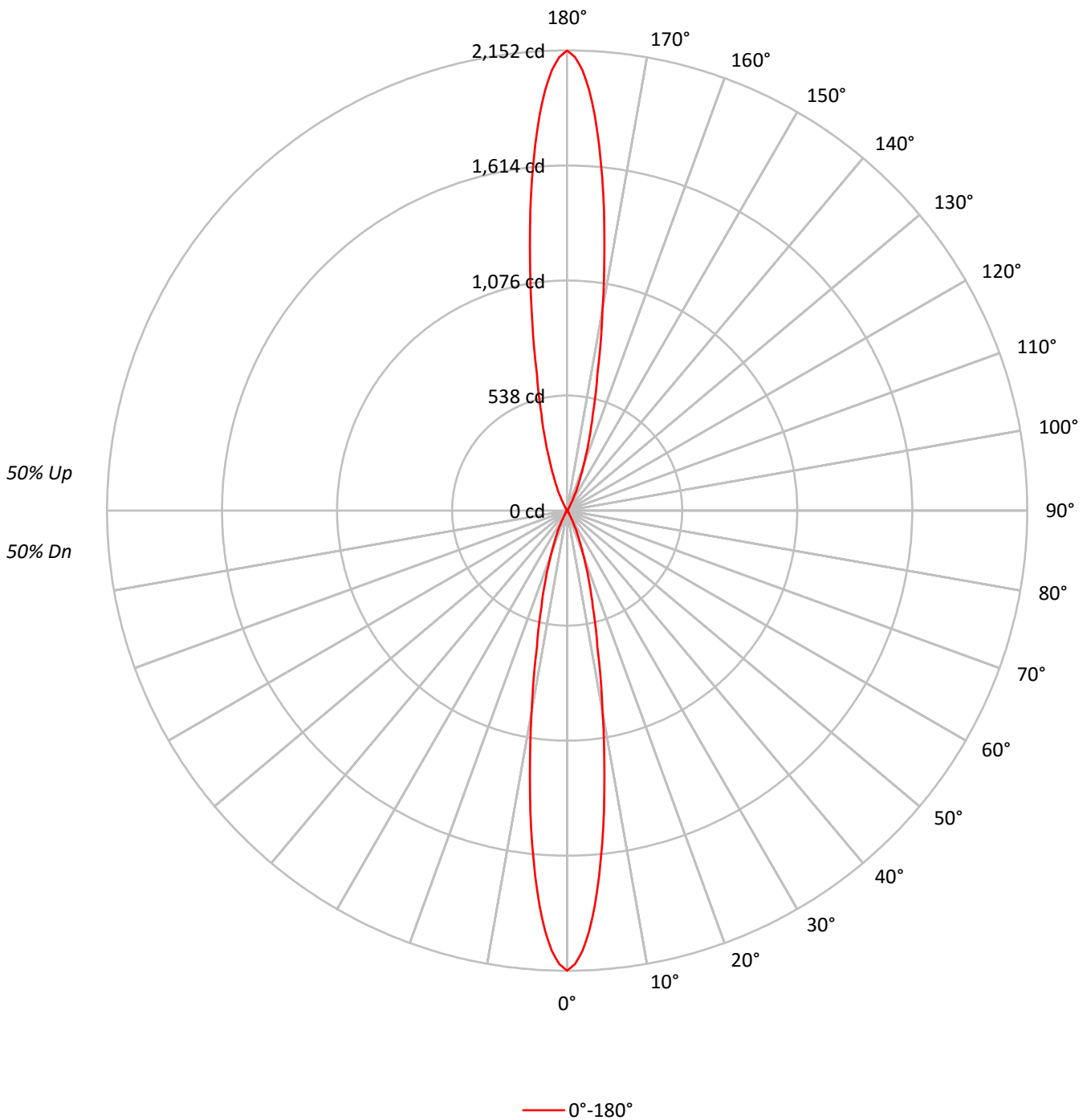
Input Watts (W): 14.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	95	93	93	91	89	87	78	76	75	66	65	64	54	54	54	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	60	53	52	51	47				
3	90	83	78	74	84	78	74	71	69	66	63	60	58	56	51	50	49	46				
4	85	78	72	68	80	73	69	65	65	62	59	57	55	53	50	48	47	44				
5	81	73	67	63	76	69	64	60	62	58	55	55	52	51	48	47	46	43				
6	77	69	63	59	72	65	60	57	59	55	53	53	50	48	47	45	44	42				
7	74	65	59	55	69	62	57	54	56	53	50	51	48	46	46	44	43	41				
8	71	62	56	53	67	59	54	51	54	50	48	49	47	45	45	43	42	40				
9	68	59	54	50	64	57	52	49	52	48	46	48	45	43	44	42	41	39				
10	65	56	51	48	62	54	50	47	50	47	44	46	44	42	42	41	40	38				

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1061605
5°	849527
10°	478396
15°	236851
20°	116927
25°	51172
30°	12477
35°	6023
40°	3542
45°	2582
50°	2840
55°	2322
60°	1776
65°	1051
70°	1298
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.3	20.9
10°-20°	134.0	20.3
20°-30°	44.1	6.7
30°-40°	7.0	1.1
40°-50°	3.2	0.5
50°-60°	2.4	0.4
60°-70°	1.0	0.2
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	1.0	0.2
120°-130°	2.4	0.4
130°-140°	3.2	0.5
140°-150°	7.0	1.1
150°-160°	44.1	6.7
160°-170°	134.0	20.3
170°-180°	138.3	20.9
0°-30°	316.5	47.9
0°-40°	323.5	49.0
0°-60°	329.1	49.8
0°-90°	330.2	50.0
90°-120°	1.1	0.2
90°-150°	13.7	2.1
90°-180°	330.0	50.0
0°-180°	660.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2152	
5°	1715	138
15°	464	134
25°	94	44
35°	10	7
45°	4	3
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	4	3
145°	10	7
155°	94	44
165°	464	134
175°	1715	138
180°	2152	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2151.7
1°	2121.5
2°	2060.4
3°	1969.1
4°	1852.2
5°	1715.3
6°	1567.4
7°	1411.3
8°	1252.5
9°	1102.8
10°	954.9
12.5°	652.7
15°	463.7
17.5°	328.6
20°	222.7
22.5°	146.1
25°	94.0
27.5°	42.9
30°	21.9
32.5°	14.6
35°	10.0
37.5°	7.3
40°	5.5
42.5°	4.6
45°	3.7
47.5°	3.7
50°	3.7
52.5°	2.7
55°	2.7
57.5°	2.7
60°	1.8
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.0
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



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**CANDELA DISTRIBUTION (continued):**

	0°
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.9
112.5°	0.9
115°	0.9
117.5°	0.9
120°	1.8
122.5°	2.7
125°	2.7
127.5°	2.7
130°	3.7
132.5°	3.7
135°	3.7
137.5°	4.6
140°	5.5
142.5°	7.3
145°	10.0
147.5°	14.6
150°	21.9
152.5°	42.9
155°	94.0
157.5°	146.1
160°	222.7
162.5°	328.6
165°	463.7
167.5°	652.7
170°	954.9
171°	1102.8
172°	1252.5
173°	1411.3
174°	1567.4
175°	1715.3
176°	1852.2
177°	1969.1
178°	2060.4
179°	2121.5
180°	2151.7

(END OF REPORT)