

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: P277721

Luminaire Tested: **203-SS-8LED2710-12-BK**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277721  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (Pxxxxxx)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED2710-12-BK  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD BLACK  
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED  
SM16-07-10D-927-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

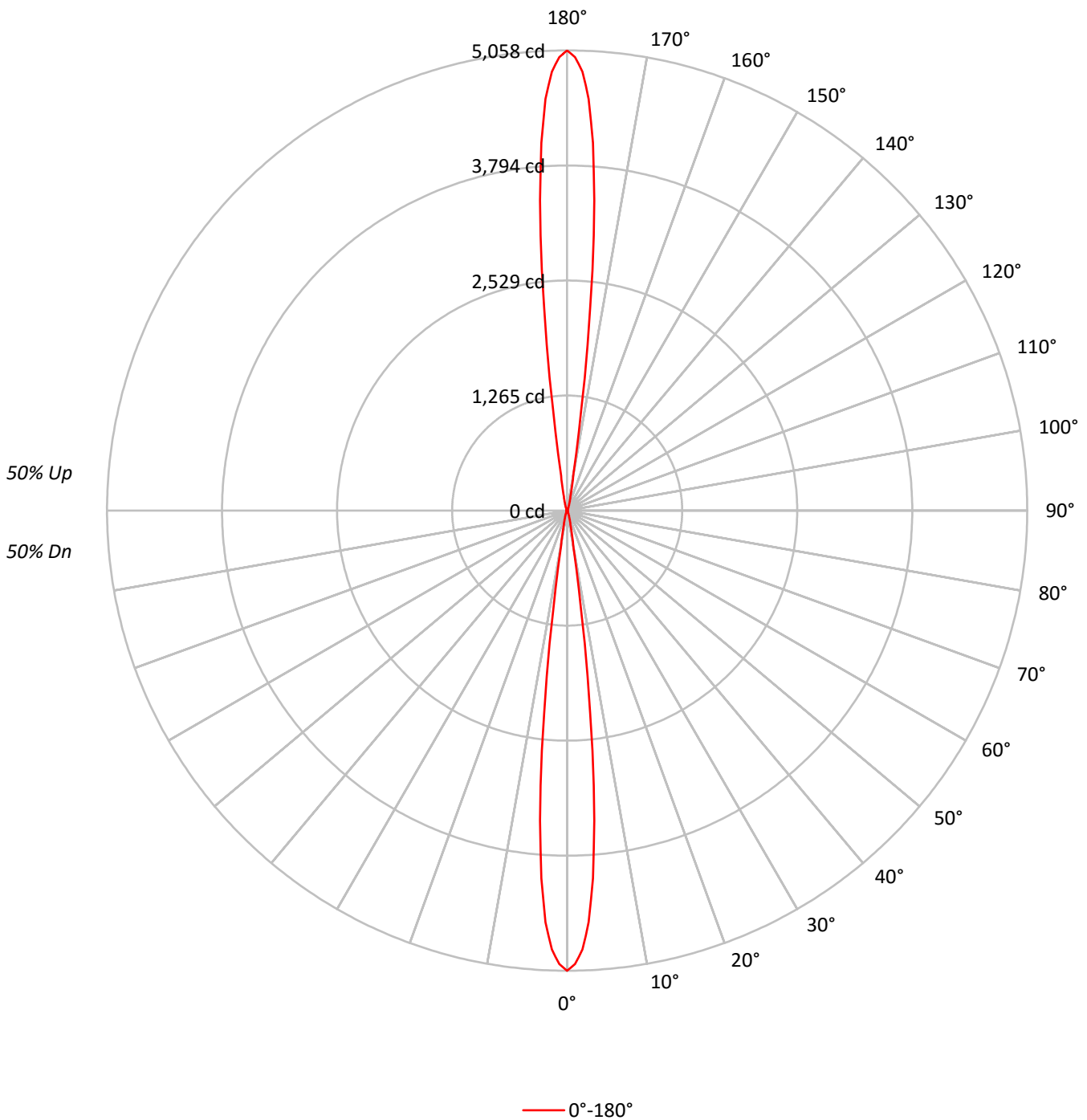
Lumens per Lamp: N/A  
Luminaire Lumens: 545.0 lumens  
Efficiency: N/A  
Efficacy: 33.9 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16.1  
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



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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	98	96	94	94	91	89	87	78	77	76		66	65	65		55	55	54	49
2	96	91	87	84	89	85	82	79	74	72	70		64	62	61		54	53	53	48
3	91	85	80	77	85	80	76	73	70	68	65		61	60	58		53	52	51	48
4	87	80	75	71	81	75	71	68	67	64	62		59	57	56		52	51	50	47
5	83	76	70	66	78	72	67	64	64	61	59		58	56	54		51	50	49	46
6	80	72	67	63	75	68	64	61	62	59	56		56	54	52		50	49	48	46
7	77	69	64	60	72	66	61	58	60	57	55		55	53	51		50	48	47	45
8	74	66	61	58	70	63	59	56	58	55	53		53	51	50		49	48	47	45
9	72	64	59	56	68	61	57	54	57	54	51		52	50	49		48	47	46	45
10	69	62	57	54	66	59	55	53	55	52	50		51	49	48		48	47	46	44

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

	0°
0°	2495662
5°	1694546
10°	194835
15°	57821
20°	25885
25°	13392
30°	9343
35°	7710
40°	6441
45°	4466
50°	3531
55°	2322
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.5	37.9
10°-20°	38.1	7.0
20°-30°	12.3	2.3
30°-40°	7.9	1.4
40°-50°	5.2	1.0
50°-60°	2.2	0.4
60°-70°	0.3	0.1
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°	0.6	0.1
120°-130°	2.2	0.4
130°-140°	5.2	1.0
140°-150°	7.9	1.4
150°-160°	12.3	2.3
160°-170°	38.1	7.0
170°-180°	206.5	37.9
0°-30°	256.8	47.1
0°-40°	264.7	48.6
0°-60°	272.2	49.9
0°-90°	272.5	50.0
90°-120°	0.6	0.1
90°-150°	15.9	2.9
90°-180°	273.0	50.1
0°-180°	545.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5058	
5°	3422	206
15°	113	38
25°	25	12
35°	13	8
45°	6	5
55°	3	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	3	2
135°	6	5
145°	13	8
155°	25	12
165°	113	38
175°	3422	206
180°	5058	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5058.3
1°	4986.2
2°	4825.5
3°	4531.6
4°	4051.4
5°	3421.5
6°	2651.9
7°	1835.8
8°	1111.9
9°	636.3
10°	388.9
12.5°	184.4
15°	113.2
17.5°	79.4
20°	49.3
22.5°	32.0
25°	24.6
27.5°	20.1
30°	16.4
32.5°	13.7
35°	12.8
37.5°	11.0
40°	10.0
42.5°	8.2
45°	6.4
47.5°	5.5
50°	4.6
52.5°	2.7
55°	2.7
57.5°	1.8
60°	0.9
62.5°	0.9
65°	0.0
67.5°	0.0
70°	0.0
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°	0.0
112.5°	0.0
115°	0.0
117.5°	0.9
120°	0.9
122.5°	1.8
125°	2.7
127.5°	2.7
130°	4.6
132.5°	5.5
135°	6.4
137.5°	8.2
140°	10.0
142.5°	11.0
145°	12.8
147.5°	13.7
150°	16.4
152.5°	20.1
155°	24.6
157.5°	32.0
160°	49.3
162.5°	79.4
165°	113.2
167.5°	184.4
170°	388.9
171°	636.3
172°	1111.9
173°	1835.8
174°	2651.9
175°	3421.5
176°	4051.4
177°	4531.6
178°	4825.5
179°	4986.2
180°	5058.3

(END OF REPORT)