

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: P277784

Luminaire Tested: **203-SS-8LED4010-12-BK-LVR**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277784  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-26)  
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-8LED4010-12-BK-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 4000K 95 CRI 10°NSP LED  
SM16-07-10D-940-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

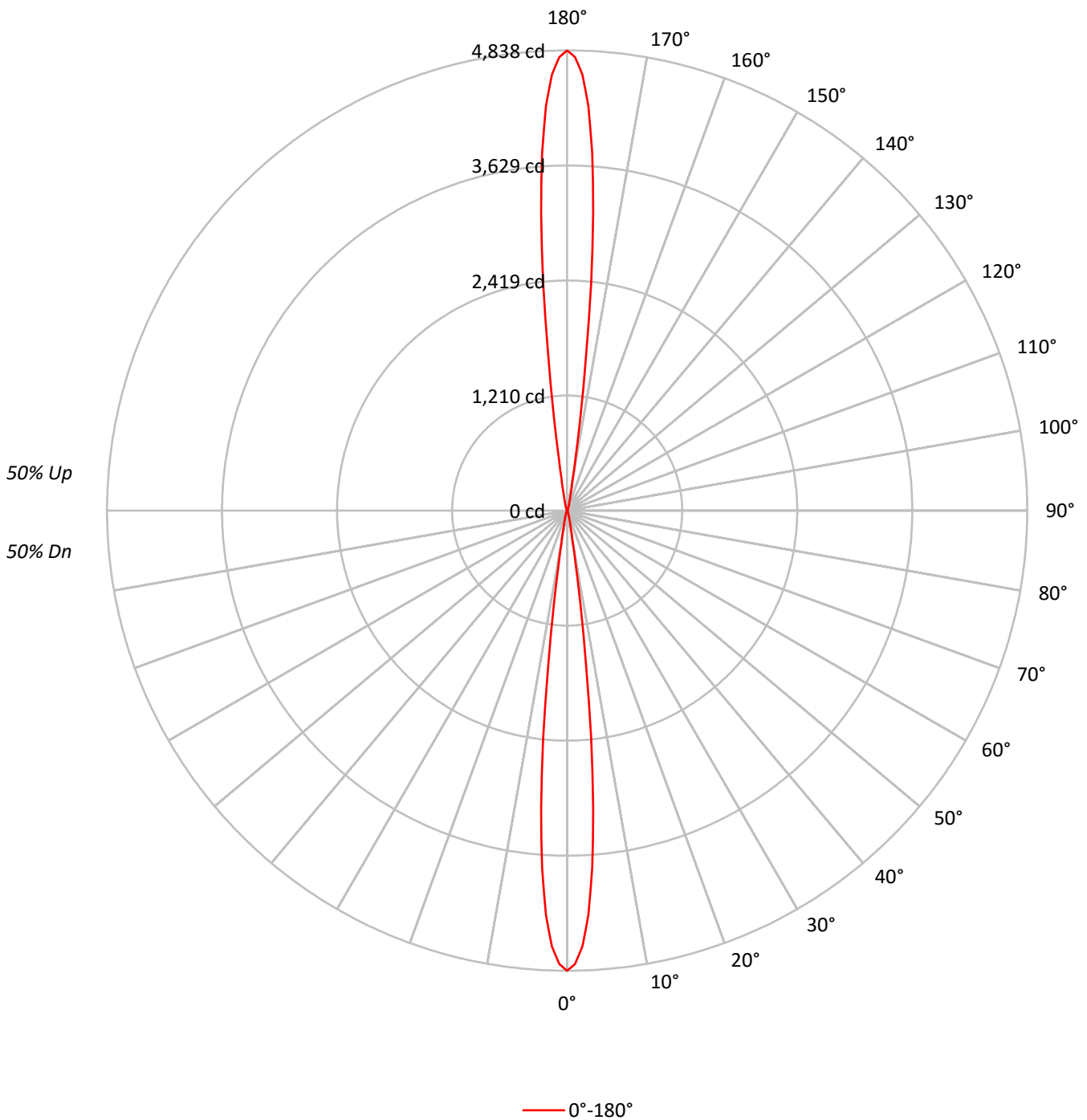
Lumens per Lamp: N/A  
Luminaire Lumens: 470.7 lumens  
Efficiency: N/A  
Efficacy: 29.2 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16.1  
Input Voltage (V): 12.0  
Input Current (A<sub>in</sub>): 0.709  
Voltage Rise (V): NR  
Power Factor: 0.9468  
Total Harmonic Distortion (THDi): 27.5  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 9 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	99	96	94	94	92	89	88	78	77	76	66	66	65	55	55	55	49
2	96	91	88	84	89	85	82	79	74	72	70	64	63	62	54	54	53	49
3	92	86	81	77	85	80	77	73	71	68	66	62	60	59	54	53	52	48
4	87	81	76	72	82	76	72	69	68	65	63	60	58	57	53	52	51	48
5	84	76	71	68	79	73	68	65	65	62	60	58	57	55	52	51	50	48
6	81	73	68	64	76	70	65	62	63	60	58	57	55	54	51	50	49	47
7	78	70	65	61	73	67	63	60	61	58	56	56	54	52	51	50	49	47
8	75	67	62	59	71	65	60	57	60	57	54	55	53	51	50	49	48	46
9	73	65	60	57	69	63	59	56	58	55	53	54	52	50	50	49	48	46
10	71	63	58	55	67	61	57	54	57	54	52	53	51	50	49	48	47	46

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

	0°
0°	2386970
5°	1555130
10°	166329
15°	47503
20°	19952
25°	9255
30°	5697
35°	3614
40°	1932
45°	1395
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°	189.4	40.2
10°-20°	31.5	6.7
20°-30°	8.7	1.8
30°-40°	3.9	0.8
40°-50°	1.3	0.3
50°-60°	0.5	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°	0.5	0.1
130°-140°	1.3	0.3
140°-150°	3.9	0.8
150°-160°	8.7	1.8
160°-170°	31.5	6.7
170°-180°	189.4	40.2
0°-30°	229.5	48.8
0°-40°	233.5	49.6
0°-60°	235.3	50.0
0°-90°	235.3	50.0
90°-120°	0.0	0.0
90°-150°	5.8	1.2
90°-180°	235.0	49.9
0°-180°	470.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4838	
5°	3140	189
15°	93	31
25°	17	9
35°	6	4
45°	2	1
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°	2	1
145°	6	4
155°	17	9
165°	93	31
175°	3140	189
180°	4838	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4838
1°	4768
2°	4584
3°	4259
4°	3768
5°	3140
6°	2406
7°	1637
8°	991
9°	557
10°	332
12.5°	155
15°	93
17.5°	62
20°	38
22.5°	24
25°	17
27.5°	13
30°	10
32.5°	8
35°	6
37.5°	5
40°	3
42.5°	2
45°	2
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	0
60°	0
62.5°	0
65°	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

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**CANDELA DISTRIBUTION (continued):**

	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°	0
125°	1
127.5°	1
130°	1
132.5°	1
135°	2
137.5°	2
140°	3
142.5°	5
145°	6
147.5°	8
150°	10
152.5°	13
155°	17
157.5°	24
160°	38
162.5°	62
165°	93
167.5°	155
170°	332
171°	557
172°	991
173°	1637
174°	2406
175°	3140
176°	3768
177°	4259
178°	4584
179°	4768
180°	4838

(END OF REPORT)