

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: P277782

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

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277782  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-24)  
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-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD BLACK, DIFFUSED LENS  
Light Source: (1) SORAA 4000K 95 CRI 10°NSP LED  
SM16-07-10D-940-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

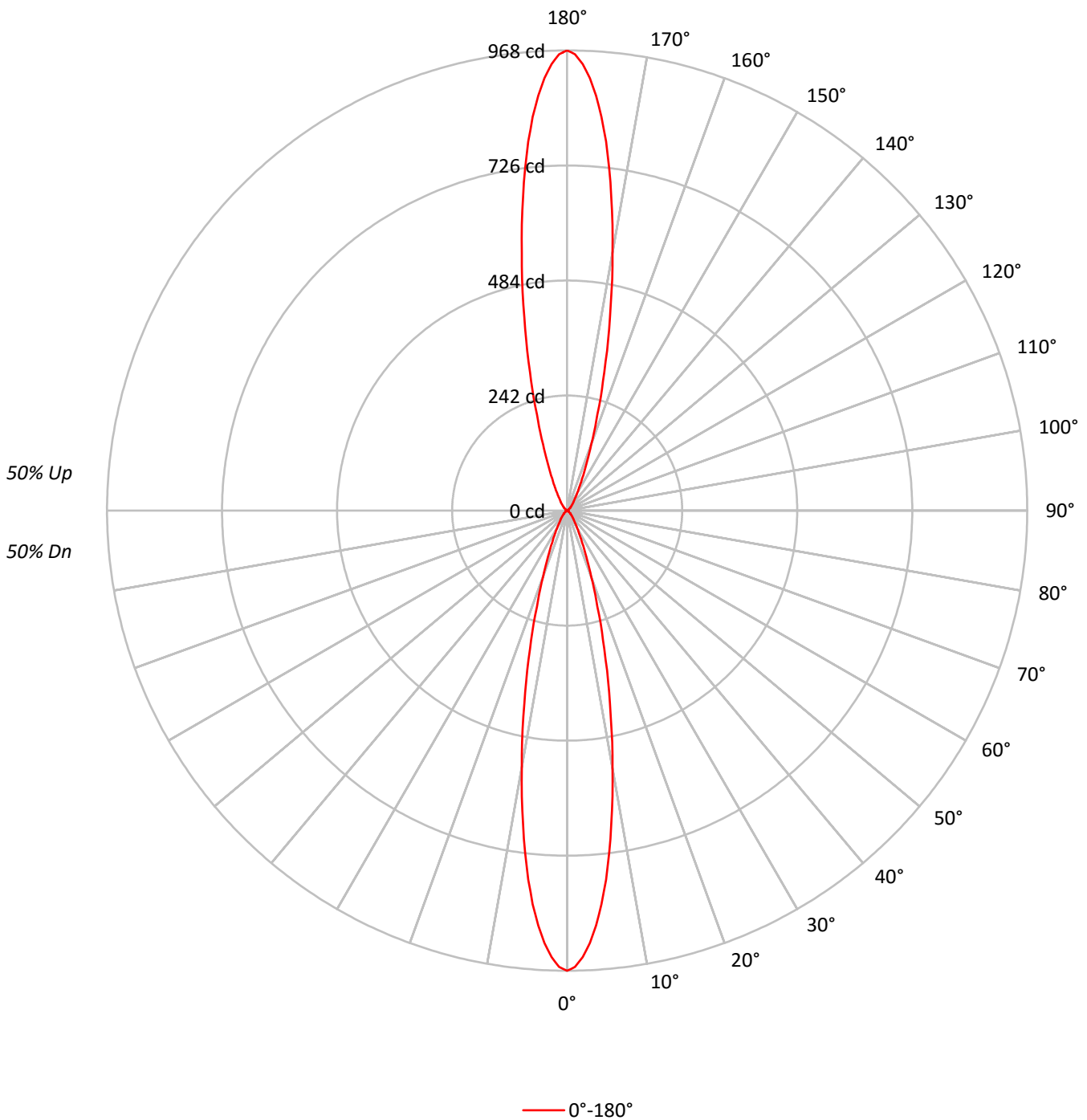
Lumens per Lamp: N/A  
Luminaire Lumens: 440.7 lumens  
Efficiency: N/A  
Efficacy: 27.4 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16.1  
Input Voltage (V): 12.0  
Input Current (Ain): 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	98	95	92	93	90	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67		62	60	58		52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62		58	56	54		50	49	48	44
4	84	76	70	66	78	72	67	63	63	60	57		55	53	51		48	46	45	42
5	79	71	65	60	74	67	62	58	60	56	53		53	50	48		46	45	43	40
6	75	66	60	56	70	63	58	54	56	52	50		50	47	45		44	43	41	39
7	71	62	56	52	67	59	54	50	53	50	47		48	45	43		43	41	40	38
8	68	59	53	49	64	56	51	47	51	47	44		46	43	41		41	40	38	36
9	65	56	50	46	61	53	48	45	49	45	42		44	41	39		40	38	37	35
10	62	53	47	44	59	51	46	43	47	43	40		43	40	38		39	37	36	34

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

	0°
0°	477591
5°	411565
10°	275545
15°	153746
20°	77706
25°	40829
30°	23928
35°	15058
40°	10949
45°	7675
50°	5373
55°	3441
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.0	15.9
10°-20°	84.7	19.2
20°-30°	36.8	8.3
30°-40°	16.6	3.8
40°-50°	8.6	2.0
50°-60°	3.3	0.8
60°-70°	0.4	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°	3.3	0.8
130°-140°	8.6	2.0
140°-150°	16.6	3.8
150°-160°	36.8	8.3
160°-170°	84.7	19.2
170°-180°	70.0	15.9
0°-30°	191.5	43.4
0°-40°	208.1	47.2
0°-60°	220.0	49.9
0°-90°	220.4	50.0
90°-120°	0.6	0.1
90°-150°	29.1	6.6
90°-180°	221.0	50.1
0°-180°	440.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	968	
5°	831	70
15°	301	85
25°	75	37
35°	25	17
45°	11	9
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	4	3
135°	11	9
145°	25	17
155°	75	37
165°	301	85
175°	831	70
180°	968	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	968
1°	960
2°	940
3°	911
4°	875
5°	831
6°	781
7°	726
8°	667
9°	609
10°	550
12.5°	415
15°	301
17.5°	212
20°	148
22.5°	105
25°	75
27.5°	55
30°	42
32.5°	32
35°	25
37.5°	21
40°	17
42.5°	13
45°	11
47.5°	9
50°	7
52.5°	5
55°	4
57.5°	2
60°	1
62.5°	1
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°	1
120°	1
122.5°	2
125°	4
127.5°	5
130°	7
132.5°	9
135°	11
137.5°	13
140°	17
142.5°	21
145°	25
147.5°	32
150°	42
152.5°	55
155°	75
157.5°	105
160°	148
162.5°	212
165°	301
167.5°	415
170°	550
171°	609
172°	667
173°	726
174°	781
175°	831
176°	875
177°	911
178°	940
179°	960
180°	968

(END OF REPORT)