

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: P277754

Luminaire Tested: **203-SS-8LED3010-12-BK-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277754  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3010-12-BK-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED SM16-07-10D-930-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

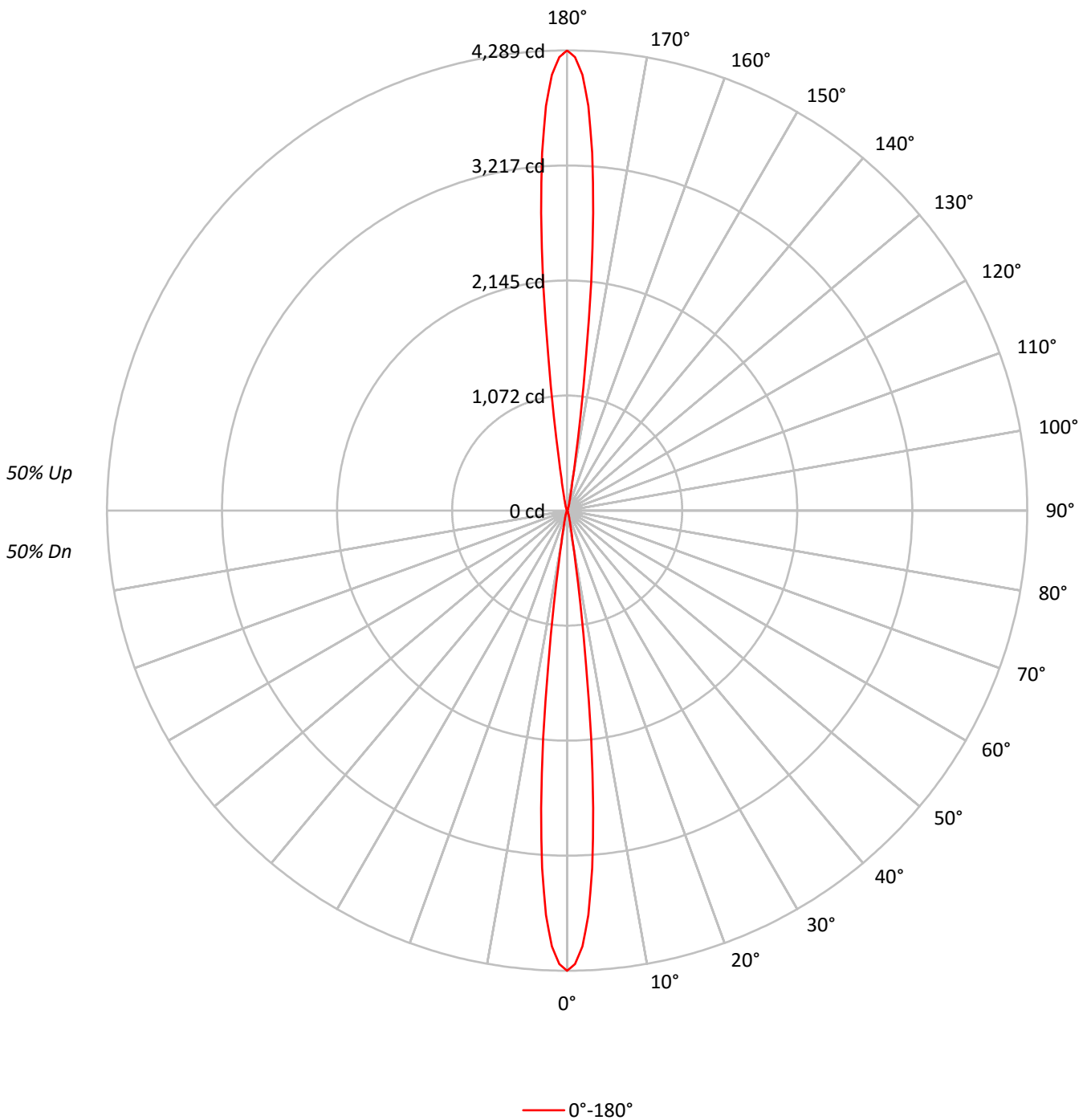
Lumens per Lamp: N/A  
Luminaire Lumens: 417.3 lumens  
Efficiency: N/A  
Efficacy: 25.9 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

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	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°	2116056
5°	1378617
10°	147442
15°	42089
20°	17694
25°	8220
30°	5070
35°	3192
40°	1739
45°	1256
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.9	40.2
10°-20°	27.9	6.7
20°-30°	7.7	1.8
30°-40°	3.5	0.8
40°-50°	1.2	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°	1.2	0.3
140°-150°	3.5	0.8
150°-160°	7.7	1.8
160°-170°	27.9	6.7
170°-180°	167.9	40.2
0°-30°	203.5	48.8
0°-40°	207.0	49.6
0°-60°	208.7	50.0
0°-90°	208.7	50.0
90°-120°	0.0	0.0
90°-150°	5.2	1.2
90°-180°	209.0	50.1
0°-180°	417.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4289	
5°	2784	168
15°	82	28
25°	15	8
35°	5	3
45°	2	1
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	0
135°	2	1
145°	5	3
155°	15	8
165°	82	28
175°	2784	168
180°	4289	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4288.9
1°	4226.8
2°	4063.7
3°	3775.6
4°	3340.3
5°	2783.6
6°	2132.9
7°	1451.2
8°	878.5
9°	493.8
10°	294.3
12.5°	137.4
15°	82.4
17.5°	55.0
20°	33.7
22.5°	21.3
25°	15.1
27.5°	11.5
30°	8.9
32.5°	7.1
35°	5.3
37.5°	4.4
40°	2.7
42.5°	1.8
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.0
60°	0.0
62.5°	0.0
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°	0.0
120°	0.0
122.5°	0.0
125°	0.9
127.5°	0.9
130°	0.9
132.5°	0.9
135°	1.8
137.5°	1.8
140°	2.7
142.5°	4.4
145°	5.3
147.5°	7.1
150°	8.9
152.5°	11.5
155°	15.1
157.5°	21.3
160°	33.7
162.5°	55.0
165°	82.4
167.5°	137.4
170°	294.3
171°	493.8
172°	878.5
173°	1451.2
174°	2132.9
175°	2783.6
176°	3340.3
177°	3775.6
178°	4063.7
179°	4226.8
180°	4288.9

(END OF REPORT)