

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: P277764

Luminaire Tested: **203-SS-8LED3025-12-BK-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277764  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-30)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED3025-12-BK-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 3000K 95 CRI LED  
SM16-07-25D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

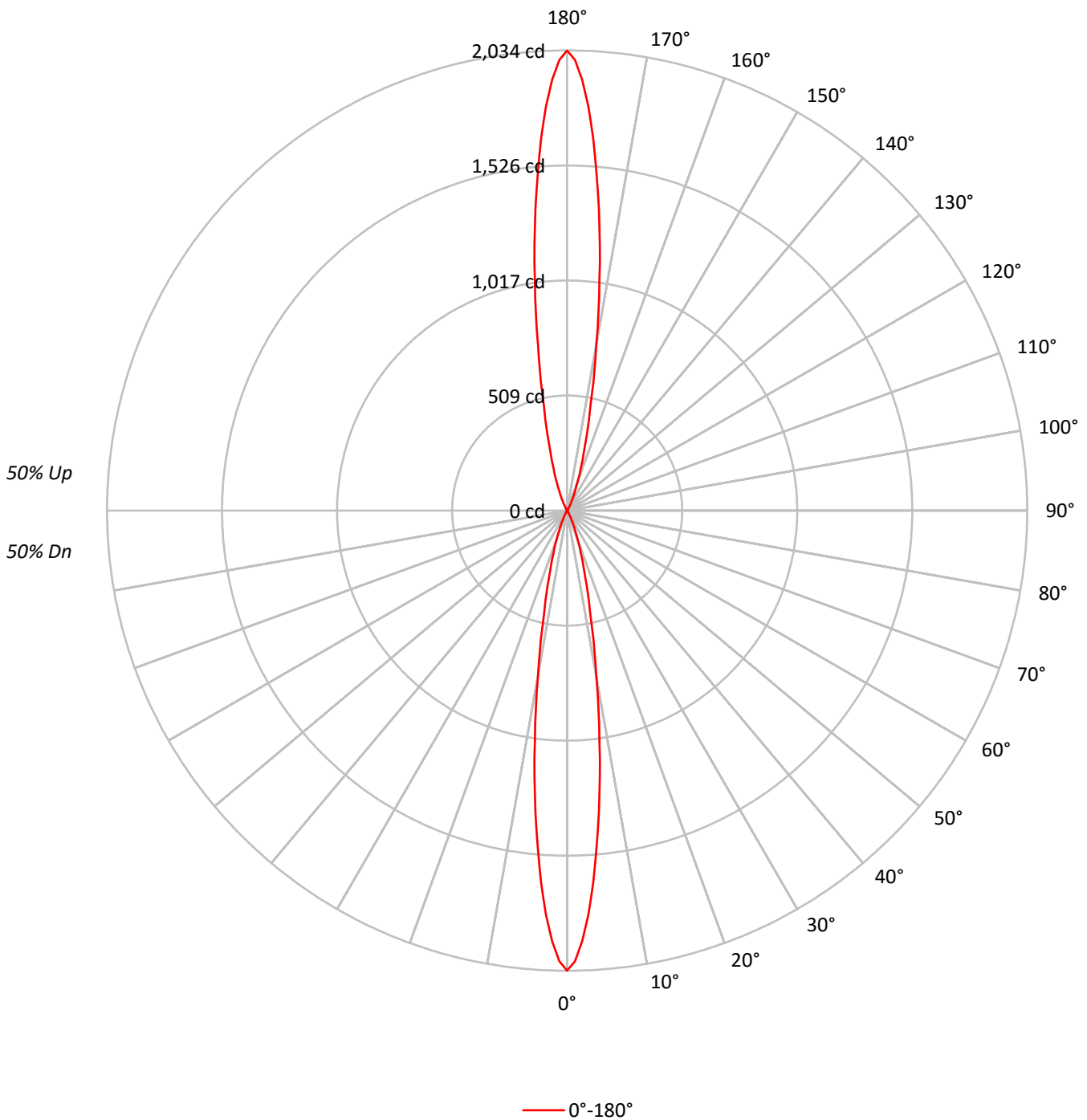
Lumens per Lamp: N/A  
Luminaire Lumens: 483.0 lumens  
Efficiency: N/A  
Efficacy: 30.2 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16  
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	55	54	54	49				
2	95	90	86	83	89	84	81	78	73	71	69	63	61	60	53	53	52	48				
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46				
4	86	79	73	69	80	74	70	66	66	63	60	58	56	54	51	49	48	45				
5	82	74	68	64	77	70	65	62	63	59	57	56	54	52	49	48	47	44				
6	78	70	64	60	73	66	62	58	60	57	54	54	52	50	48	47	46	43				
7	75	66	61	57	70	63	59	55	58	54	52	52	50	48	47	46	45	43				
8	72	63	58	54	68	61	56	53	55	52	50	51	48	47	46	45	44	42				
9	69	61	55	52	65	58	54	51	54	50	48	49	47	45	45	44	43	41				
10	67	58	53	50	63	56	52	49	52	49	46	48	46	44	44	43	42	40				

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

	0°
0°	1003337
5°	738934
10°	373088
15°	159824
20°	70723
25°	26076
30°	7577
35°	3192
40°	1739
45°	1256
50°	691
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.0	24.4
10°-20°	93.4	19.3
20°-30°	25.1	5.2
30°-40°	3.8	0.8
40°-50°	1.2	0.2
50°-60°	0.1	0.0
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°	0.1	0.0
130°-140°	1.2	0.2
140°-150°	3.8	0.8
150°-160°	25.1	5.2
160°-170°	93.4	19.3
170°-180°	118.0	24.4
0°-30°	236.4	49.0
0°-40°	240.2	49.7
0°-60°	241.5	50.0
0°-90°	241.5	50.0
90°-120°	0.0	0.0
90°-150°	5.1	1.0
90°-180°	241.0	49.9
0°-180°	483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2034	
5°	1492	118
15°	313	93
25°	48	25
35°	5	4
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	1
145°	5	4
155°	48	25
165°	313	93
175°	1492	118
180°	2034	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2033.6
1°	1992.0
2°	1905.1
3°	1788.9
4°	1648.0
5°	1492.0
6°	1341.3
7°	1185.2
8°	1027.4
9°	881.2
10°	744.7
12.5°	473.4
15°	312.9
17.5°	209.2
20°	134.7
22.5°	83.3
25°	47.9
27.5°	25.7
30°	13.3
32.5°	8.0
35°	5.3
37.5°	3.5
40°	2.7
42.5°	1.8
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.0
55°	0.0
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°	0.0
127.5°	0.0
130°	0.9
132.5°	0.9
135°	1.8
137.5°	1.8
140°	2.7
142.5°	3.5
145°	5.3
147.5°	8.0
150°	13.3
152.5°	25.7
155°	47.9
157.5°	83.3
160°	134.7
162.5°	209.2
165°	312.9
167.5°	473.4
170°	744.7
171°	881.2
172°	1027.4
173°	1185.2
174°	1341.3
175°	1492.0
176°	1648.0
177°	1788.9
178°	1905.1
179°	1992.0
180°	2033.6

(END OF REPORT)