

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: P246981

Luminaire Tested: **230-8LED3025-12-CS-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246981  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 230-8LED3025-12-CS-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-25D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

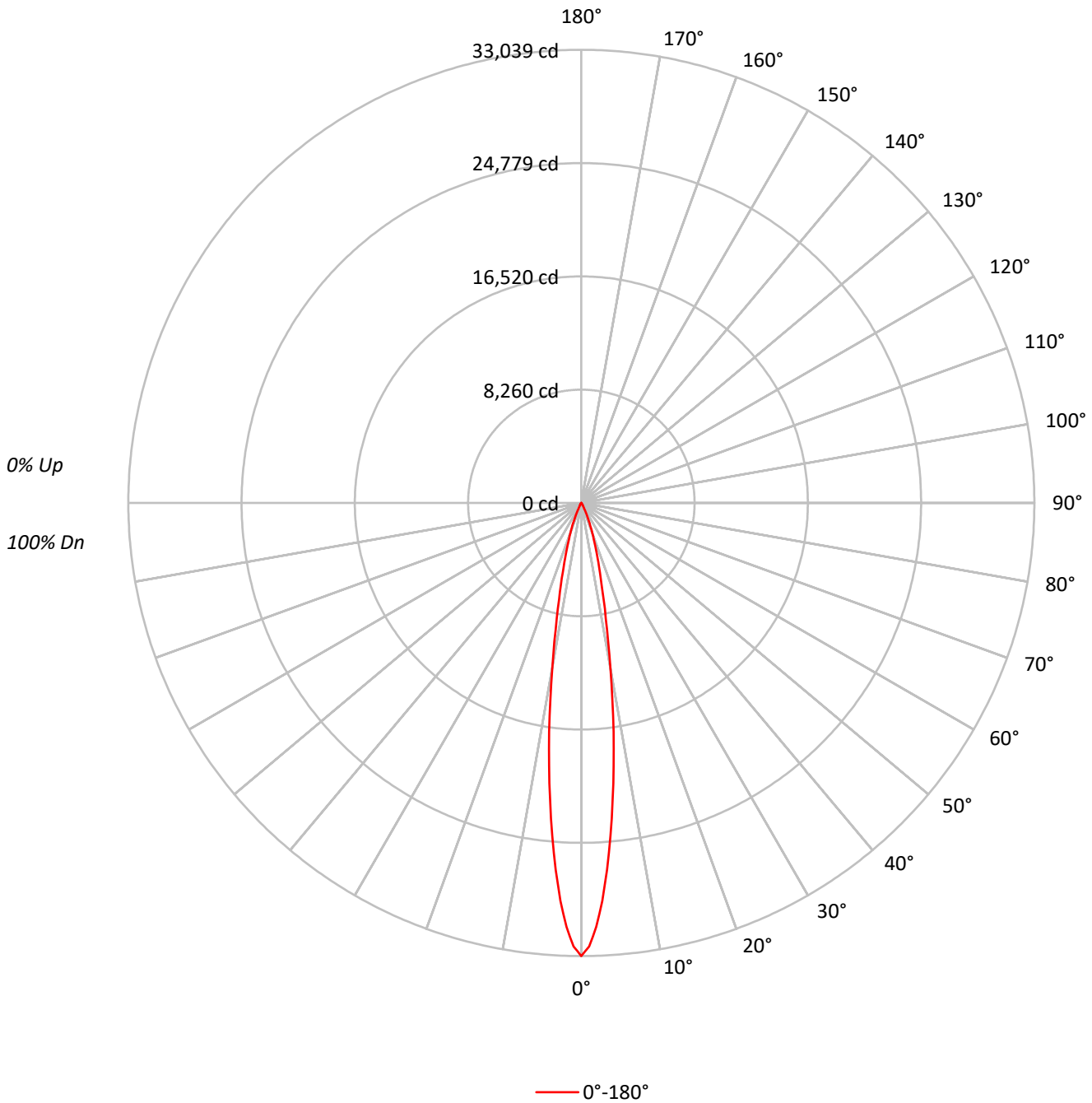
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 555.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93
4	106	101	98	95	105	100	97	95	98	96	94	97	94	92	95	93	91	90
5	104	98	95	92	102	97	94	92	96	93	91	94	92	90	93	91	89	88
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86
7	99	93	89	87	98	92	89	87	91	88	86	90	88	86	90	87	85	84
8	97	91	87	85	96	90	87	85	89	86	84	89	86	84	88	85	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	81	85	82	80	80

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

	0°
0°	16300619
5°	12069439
10°	6147807
15°	2678092
20°	1218784
25°	455813
30°	134963
35°	66555
40°	40189
45°	22398
50°	12281
55°	13763
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1925.5	48.1
10°-20°	1533.8	38.3
20°-30°	427.8	10.7
30°-40°	78.4	2.0
40°-50°	25.6	0.6
50°-60°	8.8	0.2
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°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3887.2	97.2
0°-40°	3965.6	99.1
0°-60°	4000.0	100.0
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	33039	
5°	24370	###
15°	5243	1534
25°	837	428
35°	110	78
45°	32	26
55°	16	9
65°	0	0
75°	0	0
85°	0	0
90°	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	33038.7
1°	32343.9
2°	30924.0
3°	29058.7
4°	26817.6
5°	24369.7
6°	21825.7
7°	19315.5
8°	16851.6
9°	14466.1
10°	12271.3
11°	10265.2
12°	8592.4
13°	7217.0
14°	6112.5
15°	5243.1
16°	4502.0
17°	3853.5
18°	3269.1
19°	2763.2
20°	2321.3
22.5°	1421.7
25°	837.3
26°	632.4
27°	506.0
28°	379.5
29°	299.3
30°	236.9
32.5°	174.6
35°	110.5
37.5°	78.4
40°	62.4
42.5°	48.1
45°	32.1
47.5°	16.0
50°	16.0
52.5°	16.0
55°	16.0
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



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**CANDELA DISTRIBUTION (continued):**

	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

(END OF REPORT)