

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: G2-1802-569-6

Luminaire Tested: **230-8LED4036-12-BK**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-6  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)  
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: 230-8LED4036-12-BK  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK  
Light Source: (1) SORAA 4000K 95 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

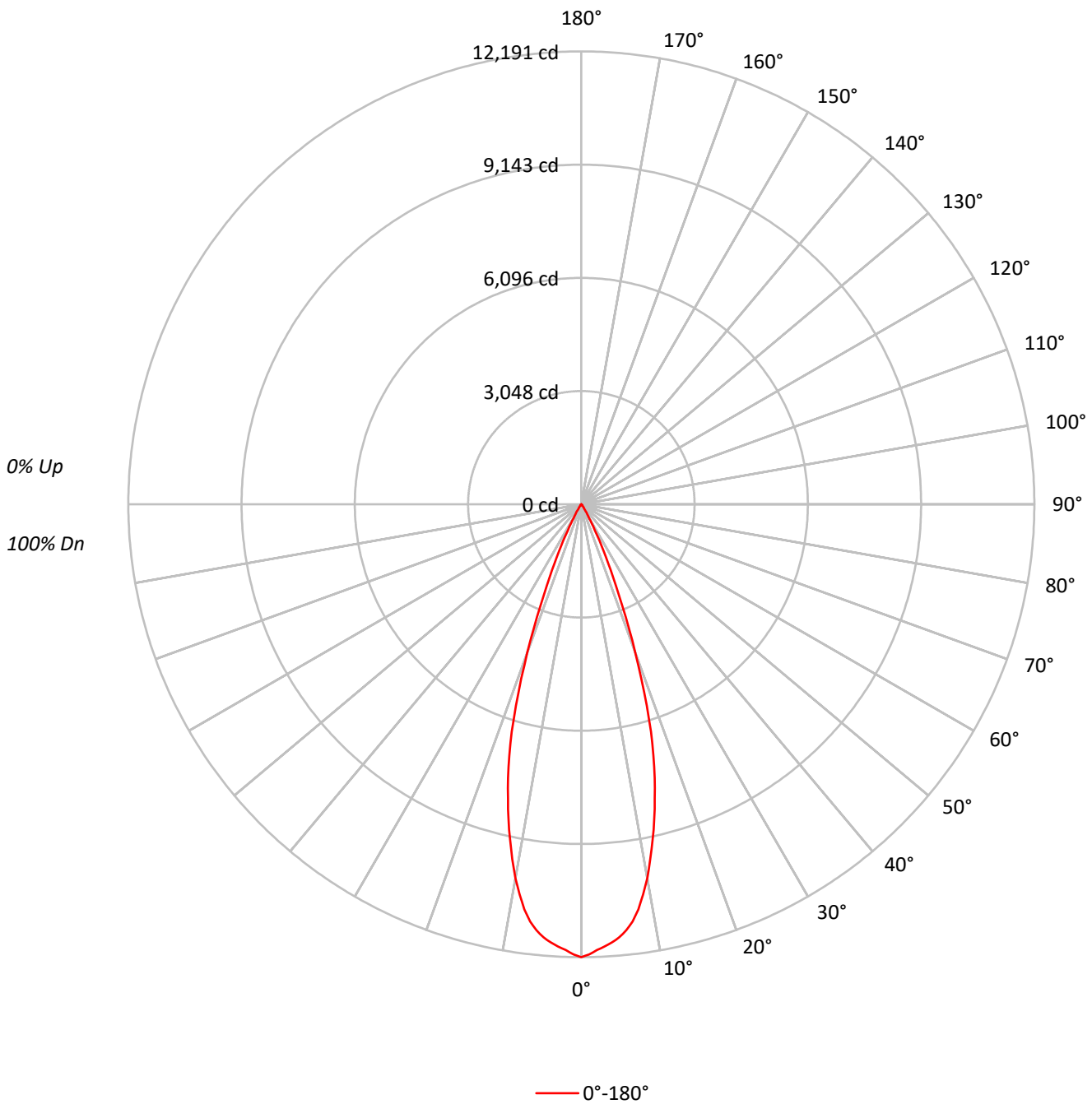
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3999.9 lumens  
Efficiency: N/A  
Efficacy: 512.8 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.8  
Input Voltage (V): 12.0  
Input Current (Ain): 0.682  
Voltage Rise (V): NR  
Power Factor: 0.9909  
Total Harmonic Distortion (THDi): 27.3%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.0  
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	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	93	89	87	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	87	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	91	85	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	78	74	72	77	74	72	71

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

	0°
0°	6014987
5°	5796473
10°	5119674
15°	3896823
20°	2230385
25°	855391
30°	203727
35°	71795
40°	27888
45°	15141
50°	8290
55°	9290
60°	10657
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1071.9	26.8
10°-20°	2030.5	50.8
20°-30°	781.7	19.5
30°-40°	87.5	2.2
40°-50°	17.4	0.4
50°-60°	9.7	0.2
60°-70°	1.3	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°	3884.1	97.1
0°-40°	3971.5	99.3
0°-60°	3998.7	100.0
0°-90°	3999.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3999.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12191	
5°	11704	###
15°	7629	2030
25°	1571	782
35°	119	87
45°	22	17
55°	11	10
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12191.4
1°	12115.6
2°	12007.2
3°	11920.5
4°	11823.0
5°	11703.8
6°	11530.4
7°	11313.6
8°	11010.2
9°	10630.9
10°	10219.1
11°	9731.5
12°	9233.0
13°	8712.8
14°	8171.0
15°	7629.1
16°	7033.1
17°	6404.6
18°	5700.2
19°	4963.3
20°	4248.0
21°	3576.1
22°	2947.6
23°	2384.1
24°	1939.8
25°	1571.3
26°	1257.1
27°	910.3
28°	682.7
29°	498.5
30°	357.6
32.5°	195.1
35°	119.2
37.5°	65.0
40°	43.3
42.5°	32.5
45°	21.7
47.5°	10.8
50°	10.8
52.5°	10.8
55°	10.8
57.5°	10.8
60°	10.8
62.5°	0.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	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

(END OF REPORT)