

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: G2-1802-569-38

Luminaire Tested: **230-8LED4010-12-CS-LVR**

Test Date: 04/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-38  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-38)  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 04/05/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 230-8LED4010-12-CS-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,  
REGRESSED HOOD SILVER, HEX CELL LOUVER  
Light Source: (1) SORAA 4000K 95 CRI 10° NSP LED  
SM16-07-10D-940-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

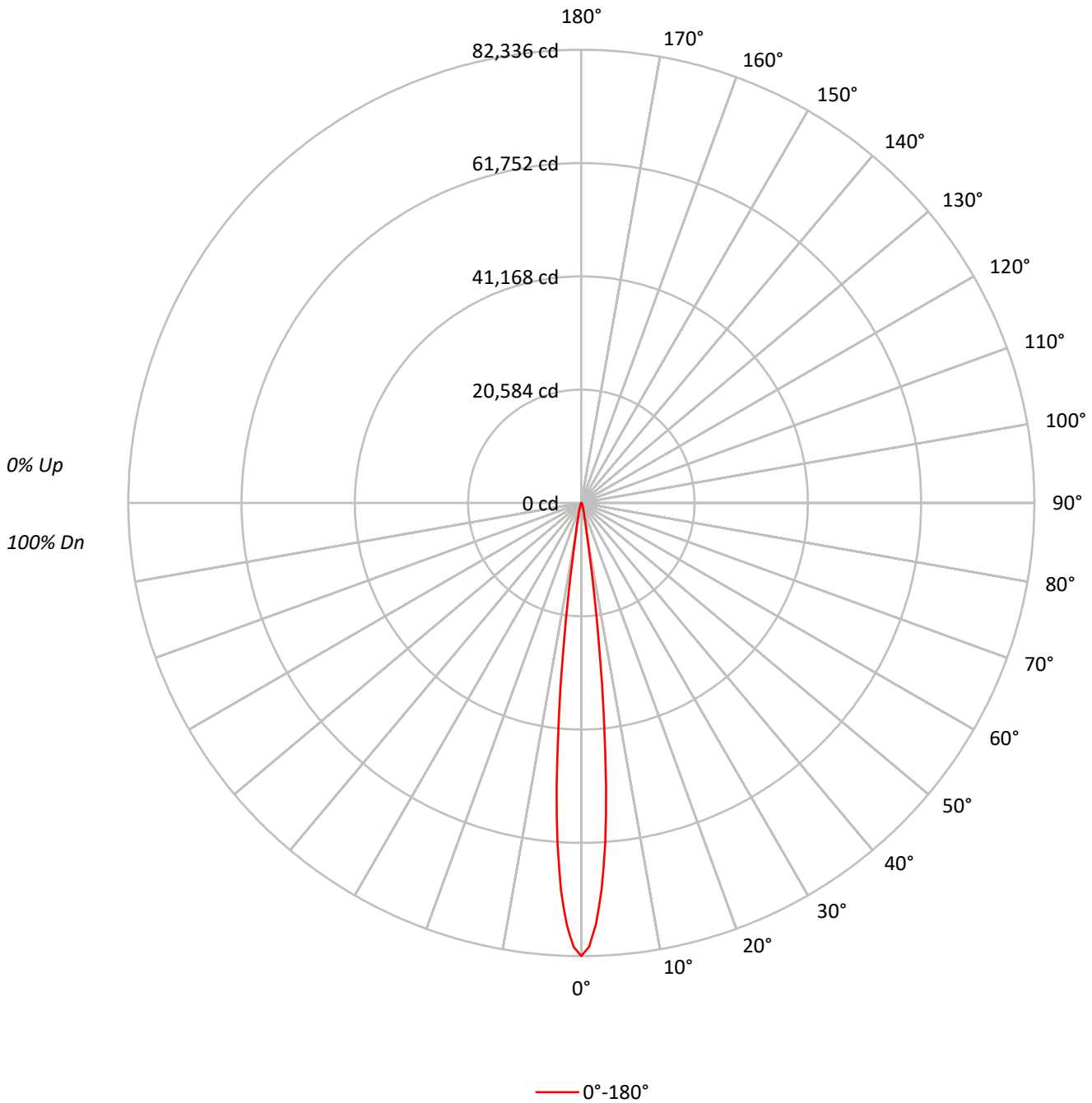
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 533.3 lumens/watt  
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.19  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.5  
Input Voltage (V): 12.0  
Input Current (Ain): 0.656  
Voltage Rise (V): NR  
Power Factor: 0.9482  
Total Harmonic Distortion (THDi): 25.7  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	113	111	114	112	111	110	108	107	106	105	104	103	101	101	100	99
2	113	111	108	106	111	109	107	105	106	104	103	103	102	101	101	100	99	97
3	111	108	105	103	109	106	104	102	104	102	100	102	100	99	100	98	97	96
4	109	105	102	100	108	104	101	99	102	100	98	100	99	97	99	97	96	95
5	107	103	100	98	106	102	99	97	101	98	97	99	97	96	98	96	95	94
6	105	101	98	96	104	100	98	96	99	97	95	98	96	95	97	95	94	93
7	104	100	97	95	103	99	96	94	98	96	94	97	95	94	96	94	93	92
8	103	98	95	93	102	98	95	93	97	95	93	96	94	93	95	94	92	92
9	101	97	94	92	101	97	94	92	96	94	92	95	93	92	95	93	92	91
10	100	96	93	91	100	96	93	91	95	93	91	94	92	91	94	92	91	90

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

	0°
0°	40623145
5°	25533741
10°	2938160
15°	807907
20°	326577
25°	183839
30°	121518
35°	85648
40°	57257
45°	37190
50°	27248
55°	15311
60°	17564
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3139.3	78.5
10°-20°	539.9	13.5
20°-30°	164.4	4.1
30°-40°	89.1	2.2
40°-50°	39.1	1.0
50°-60°	21.7	0.5
60°-70°	6.5	0.2
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°	3843.7	96.1
0°-40°	3932.8	98.3
0°-60°	3993.5	99.8
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°	82336	
5°	51556	###
15°	1582	540
25°	338	164
35°	142	89
45°	53	39
55°	18	22
65°	0	6
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	82336.5
1°	80648.2
2°	76614.0
3°	70429.4
4°	62076.7
5°	51555.8
6°	39186.7
7°	26924.2
8°	16581.0
9°	9650.1
10°	5864.7
12.5°	2648.0
15°	1581.7
17.5°	1048.5
20°	622.0
22.5°	444.3
25°	337.7
27.5°	266.6
30°	213.3
32.5°	177.7
35°	142.2
37.5°	106.6
40°	88.9
42.5°	53.3
45°	53.3
47.5°	35.5
50°	35.5
52.5°	35.5
55°	17.8
57.5°	17.8
60°	17.8
62.5°	17.8
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

(END OF REPORT)