

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: G2-1802-569-9

Luminaire Tested: **203-SS-8LED4036-12-CS**

Test Date: 04/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-9  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-9)  
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: 203-SS-8LED4036-12-CS  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER  
Light Source: (1) SORAA 4000K 90 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

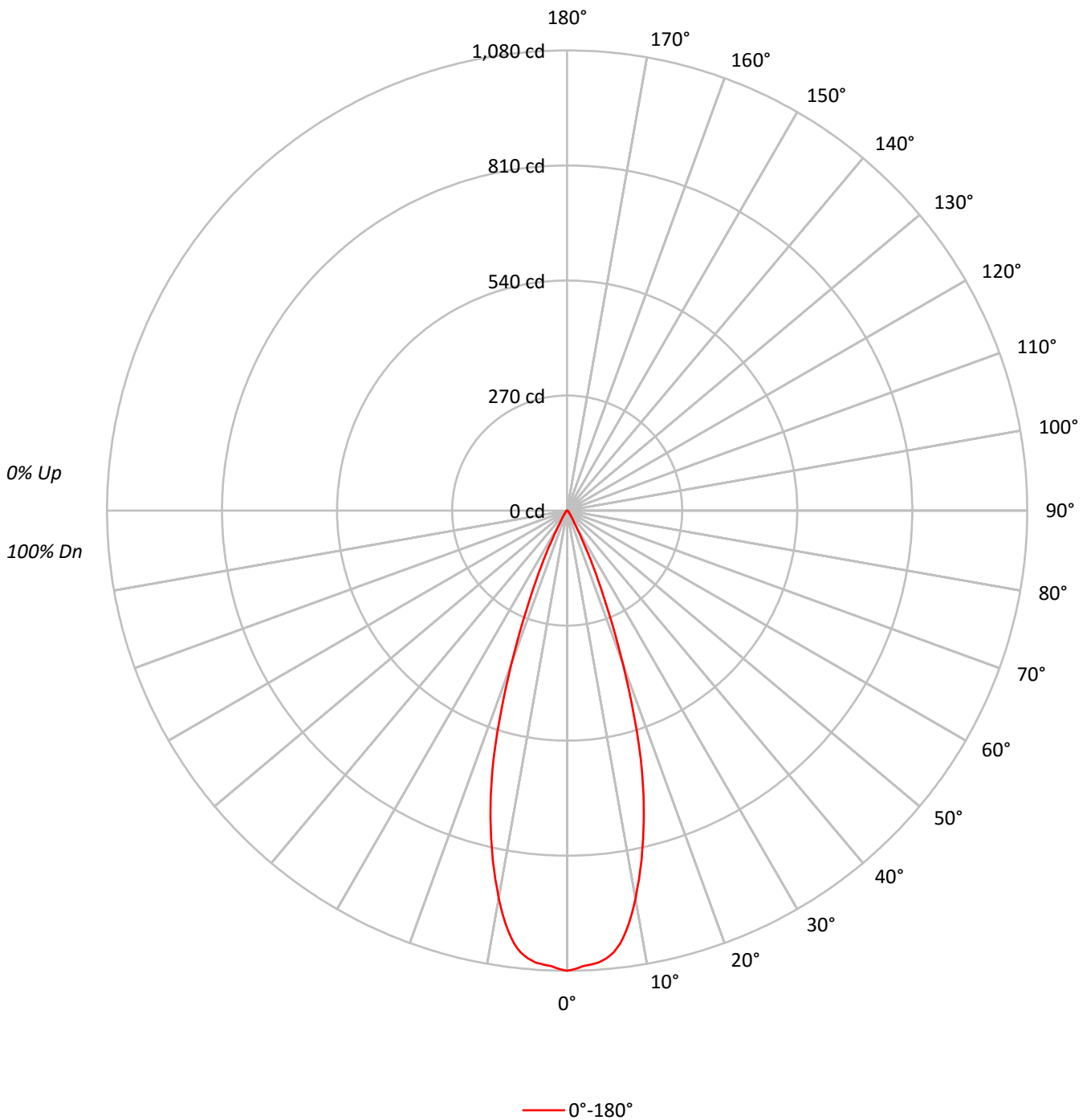
Lumens per Lamp: N/A  
Luminaire Lumens: 371.7 lumens  
Efficiency: N/A  
Efficacy: 48.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.54  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.6  
Input Voltage (V): 12.0  
Input Current (A<sub>in</sub>): 0.667  
Voltage Rise (V): NR  
Power Factor: 0.9902  
Total Harmonic Distortion (THDi): 27.4%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.3  
Test Distance: 25 FT



TEST NUMBER: G2-1802-569-9

CATALOG NUMBER: 203-SS-8LED4036-12-CS

### Luminous Intensity Polar Plot





TEST NUMBER: G2-1802-569-9

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**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	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	108	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88		92	90	87		91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	82	79	85	81	78		84	80	78		83	80	77	76
8	90	83	79	76	89	83	79	76	82	78	75		81	78	75		80	77	75	74
9	88	81	76	73	87	80	76	73	79	75	73		78	75	73		78	75	72	71
10	85	78	74	71	84	78	73	71	77	73	70		76	73	70		76	72	70	69

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

	0°
0°	532850
5°	522504
10°	462915
15°	353973
20°	200042
25°	78391
30°	21079
35°	9035
40°	5152
45°	3489
50°	3070
55°	3441
60°	1974
65°	1167
70°	1443
75°	1906
80°	0
85°	0



TEST NUMBER: G2-1802-569-9

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	26.0
10°-20°	183.7	49.4
20°-30°	71.0	19.1
30°-40°	10.9	2.9
40°-50°	4.2	1.1
50°-60°	3.1	0.8
60°-70°	1.4	0.4
70°-80°	0.7	0.2
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°	351.4	94.5
0°-40°	362.3	97.5
0°-60°	369.6	99.5
0°-90°	371.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	371.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1080	
5°	1055	97
15°	693	184
25°	144	71
35°	15	11
45°	5	4
55°	4	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: G2-1802-569-9

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1080
1°	1076
2°	1070
3°	1067
4°	1063
5°	1055
6°	1043
7°	1024
8°	996
9°	963
10°	924
11°	882
12°	839
13°	792
14°	743
15°	693
16°	638
17°	577
18°	511
19°	445
20°	381
21°	320
22°	266
23°	218
24°	179
25°	144
26°	109
27°	83
28°	63
29°	48
30°	37
32.5°	23
35°	15
37.5°	11
40°	8
42.5°	6
45°	5
47.5°	5
50°	4
52.5°	4
55°	4
57.5°	3
60°	2
62.5°	2
65°	1



TEST NUMBER: G2-1802-569-9

CATALOG NUMBER: 203-SS-8LED4036-12-CS

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)