

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: G2-1802-569-35

Luminaire Tested: **203-SS-8LED4036-12-BK-OSL**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-35
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-35)
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: 203-SS-8LED4036-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 95 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

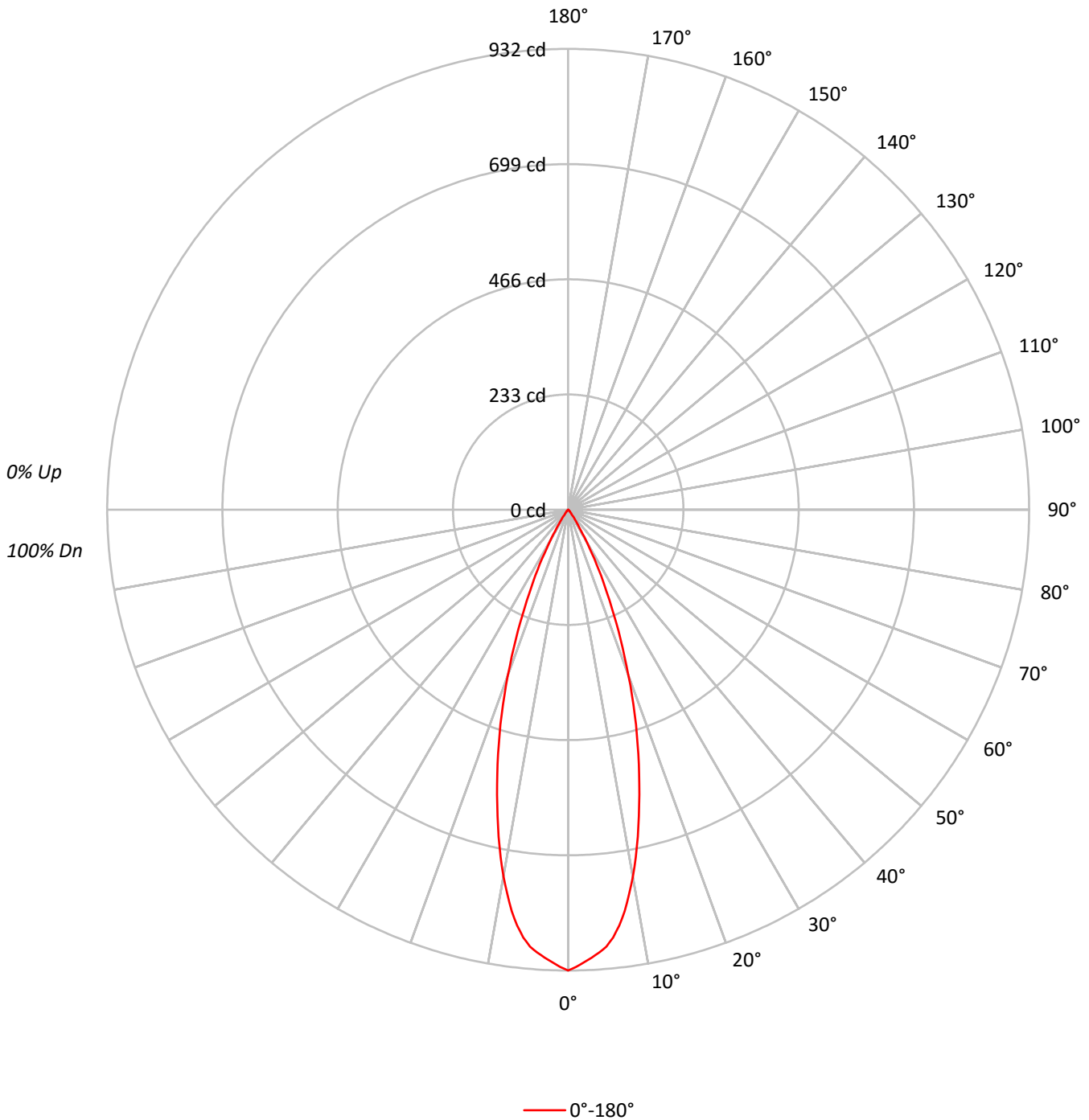
Lumens per Lamp: N/A
Luminaire Lumens: 337.8 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.56
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
Input Voltage (V): 12.0
Input Current (Ain): 0.680
Voltage Rise (V): NR
Power Factor: 0.9908
Total Harmonic Distortion (THDi): 27.3%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 24.9
Test Distance: 25 FT



TEST NUMBER: G2-1802-569-35
CATALOG NUMBER: 203-SS-8LED4036-12-BK-OSL

Luminous Intensity Polar Plot





TEST NUMBER: G2-1802-569-35

CATALOG NUMBER: 203-SS-8LED4036-12-BK-OSL

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	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	74	71	68	74	71	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	459830
5°	439299
10°	377246
15°	282974
20°	186916
25°	101800
30°	41019
35°	12046
40°	4508
45°	2093
50°	768
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: G2-1802-569-35
 CATALOG NUMBER: 203-SS-8LED4036-12-BK-OSL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	23.8
10°-20°	151.3	44.8
20°-30°	86.9	25.7
30°-40°	16.0	4.7
40°-50°	2.5	0.7
50°-60°	0.8	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°	318.6	94.3
0°-40°	334.6	99.0
0°-60°	337.8	100.0
0°-90°	337.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	337.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	932	
5°	887	80
15°	554	151
25°	187	87
35°	20	16
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: G2-1802-569-35
CATALOG NUMBER: 203-SS-8LED4036-12-BK-OSL

CANDELA DISTRIBUTION (FULL):

0°	
0°	932
1°	925
2°	916
3°	907
4°	898
5°	887
6°	870
7°	847
8°	820
9°	787
10°	753
11°	716
12°	676
13°	636
14°	594
15°	554
16°	514
17°	475
18°	436
19°	396
20°	356
21°	318
22°	283
23°	248
24°	216
25°	187
26°	161
27°	136
28°	112
29°	90
30°	72
32.5°	36
35°	20
37.5°	11
40°	7
42.5°	4
45°	3
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	1
60°	0
62.5°	0
65°	0



TEST NUMBER: G2-1802-569-35
CATALOG NUMBER: 203-SS-8LED4036-12-BK-OSL

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)