

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: G2-1802-569-46

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-46
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)
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-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

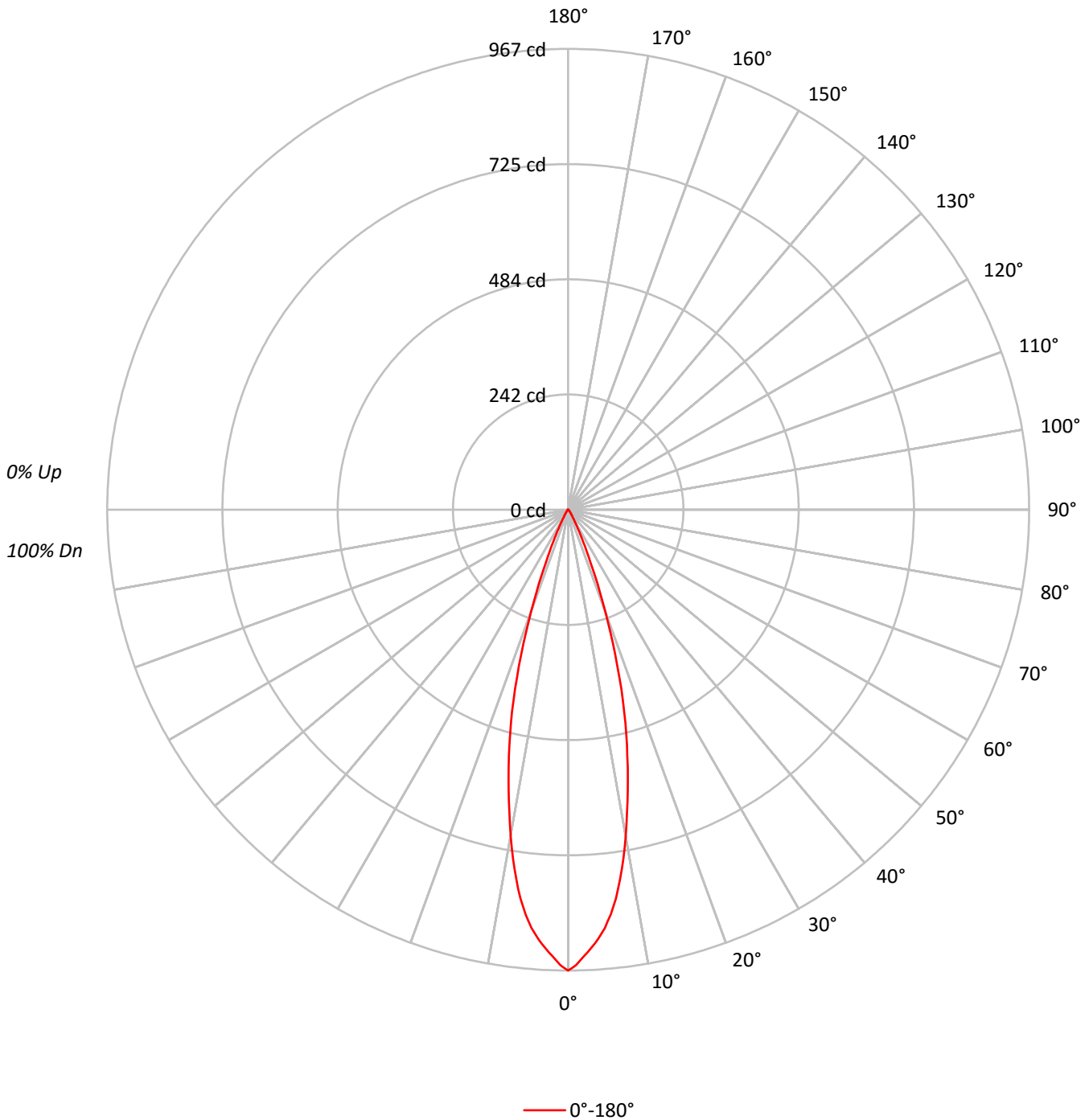
Lumens per Lamp: N/A
Luminaire Lumens: 251.8 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): 12.0
Input Current (Ain): 0.669
Voltage Rise (V): NR
Power Factor: 0.9904
Total Harmonic Distortion (THDi): 27.4%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.2
Test Distance: 25 FT



TEST NUMBER: G2-1802-569-46
CATALOG NUMBER: 203-SS-8LED4036-12-CS-LVR

Luminous Intensity Polar Plot





TEST NUMBER: G2-1802-569-46

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	477098
5°	436328
10°	348189
15°	237004
20°	118660
25°	40829
30°	12534
35°	6023
40°	3220
45°	2093
50°	768
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: G2-1802-569-46

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	31.1
10°-20°	123.5	49.1
20°-30°	39.5	15.7
30°-40°	6.8	2.7
40°-50°	2.3	0.9
50°-60°	0.9	0.4
60°-70°	0.6	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°	241.2	95.8
0°-40°	248.0	98.5
0°-60°	251.2	99.8
0°-90°	251.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	251.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	967	
5°	881	78
15°	464	124
25°	75	39
35°	10	7
45°	3	2
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: G2-1802-569-46

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	967
1°	956
2°	938
3°	921
4°	903
5°	881
6°	854
7°	822
8°	783
9°	741
10°	695
11°	647
12°	601
13°	555
14°	509
15°	464
16°	417
17°	367
18°	319
19°	271
20°	226
21°	186
22°	150
23°	120
24°	95
25°	75
26°	57
27°	45
28°	35
29°	27
30°	22
32.5°	14
35°	10
37.5°	7
40°	5
42.5°	4
45°	3
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	1
65°	0



TEST NUMBER: G2-1802-569-46

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

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
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)