

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: G2-1802-569-7

Luminaire Tested: **203-SS-8LED4010-12-CS**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-7
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-7)
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-8LED4010-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER
Light Source: (1) SORAA 4000K 95 CRI 10°NSP LED
SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

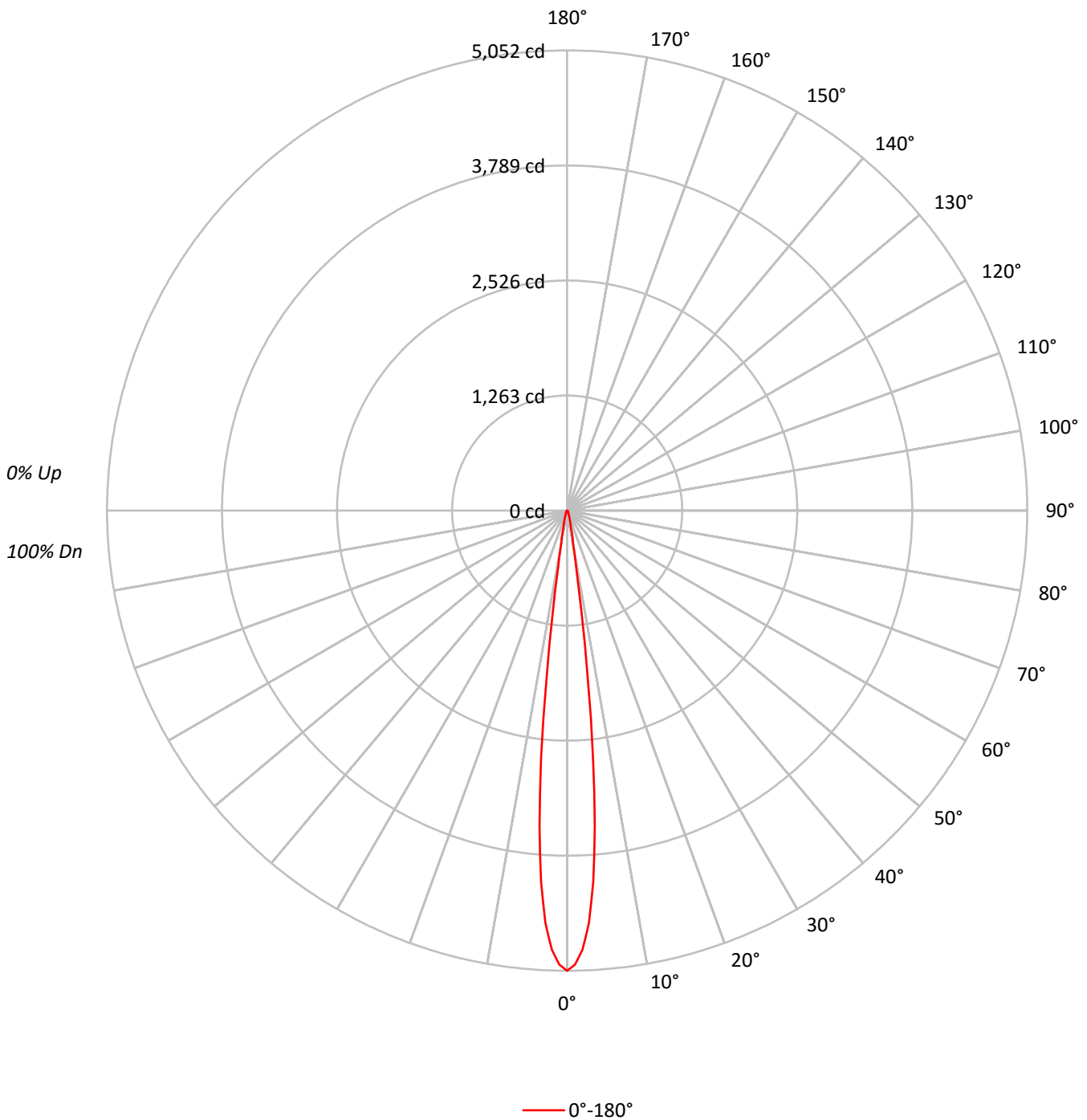
Lumens per Lamp: N/A
Luminaire Lumens: 296.9 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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): 27.2%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 9 HR
Ambient Temperature (°C): 24.9
Test Distance: 25 FT



TEST NUMBER: G2-1802-569-7
CATALOG NUMBER: 203-SS-8LED4010-12-CS

Luminous Intensity Polar Plot





TEST NUMBER: G2-1802-569-7

CATALOG NUMBER: 203-SS-8LED4010-12-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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	95
3	109	105	102	99	108	104	101	99	102	99	97	99	97	96	97	96	94	93
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	90	93	91	89	88
7	100	95	91	89	99	94	91	89	93	91	88	92	90	88	91	89	88	87
8	99	93	90	88	98	93	90	87	92	89	87	91	89	87	90	88	86	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	84	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2492553
5°	1723519
10°	197390
15°	62316
20°	27827
25°	17965
30°	14243
35°	12648
40°	10949
45°	9768
50°	7676
55°	6021
60°	2960
65°	1167
70°	1443
75°	0
80°	0
85°	0



TEST NUMBER: G2-1802-569-7

CATALOG NUMBER: 203-SS-8LED4010-12-CS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	70.3
10°-20°	40.0	13.5
20°-30°	16.0	5.4
30°-40°	13.3	4.5
40°-50°	10.9	3.7
50°-60°	6.1	2.1
60°-70°	1.5	0.5
70°-80°	0.4	0.1
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°	264.8	89.2
0°-40°	278.1	93.7
0°-60°	295.0	99.4
0°-90°	296.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5052	
5°	3480	209
15°	122	40
25°	33	16
35°	21	13
45°	14	11
55°	7	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: G2-1802-569-7

CATALOG NUMBER: 203-SS-8LED4010-12-CS

CANDELA DISTRIBUTION (FULL):

	0°
0°	5052
1°	4985
2°	4824
3°	4536
4°	4090
5°	3480
6°	2726
7°	1869
8°	1117
9°	639
10°	394
12.5°	194
15°	122
17.5°	85
20°	53
22.5°	40
25°	33
27.5°	29
30°	25
32.5°	23
35°	21
37.5°	20
40°	17
42.5°	16
45°	14
47.5°	13
50°	10
52.5°	9
55°	7
57.5°	5
60°	3
62.5°	2
65°	1
67.5°	1
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)