

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: G2-1802-569-26

Luminaire Tested: **203-SS-8LED4010-12-BK-LVR**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-26
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-8LED4010-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, 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

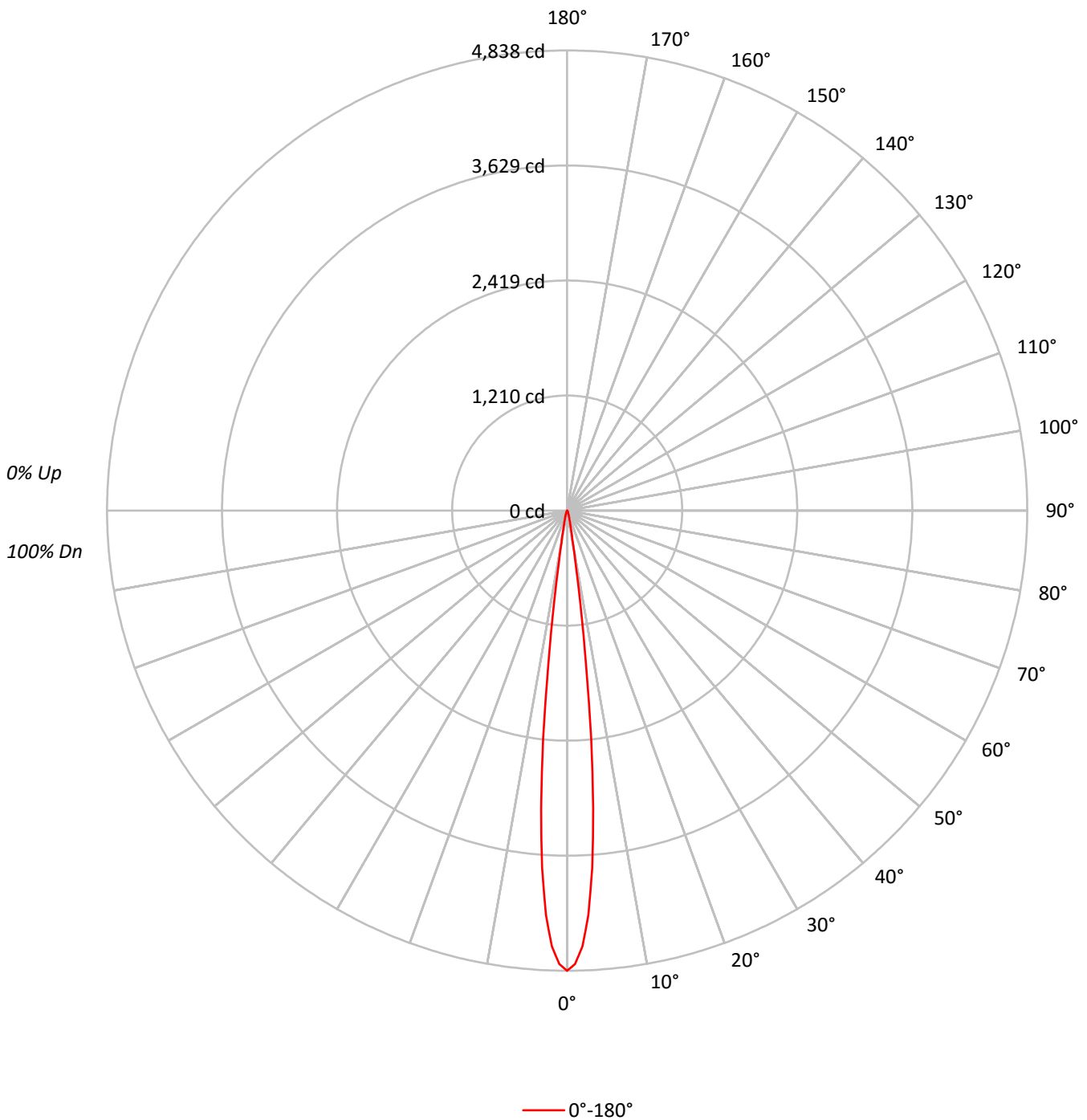
Lumens per Lamp: N/A
Luminaire Lumens: 235.3 lumens
Efficiency: N/A
Efficacy: 29.4 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): 12.0
Input Current (A_{in}): 0.709
Voltage Rise (V): NR
Power Factor: 0.9468
Total Harmonic Distortion (THDi): 27.5
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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	115	113	112	114	112	111	110	108	108	107	105	104	103	102	101	101	101	101	101	99
2	114	111	109	107	112	109	107	106	106	105	103	104	102	101	101	100	99	101	100	99	98
3	111	108	105	103	110	107	104	103	104	103	101	102	101	99	100	99	98	100	99	98	97
4	109	106	103	101	108	105	102	100	103	101	99	101	99	98	100	98	97	100	98	97	96
5	108	104	101	99	107	103	100	98	101	99	98	100	98	97	99	97	96	99	97	96	95
6	106	102	99	97	105	101	99	97	100	98	96	99	97	96	98	96	95	98	96	95	94
7	105	101	98	96	104	100	97	96	99	97	95	98	96	95	97	96	94	97	96	94	94
8	104	99	97	95	103	99	96	95	98	96	94	97	95	94	97	95	94	97	95	94	93
9	102	98	96	94	102	98	95	94	97	95	93	97	95	93	96	94	93	96	94	93	92
10	101	97	95	93	101	97	94	93	96	94	93	96	94	92	95	94	92	95	94	92	92

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2386970
5°	1555130
10°	166329
15°	47503
20°	19952
25°	9255
30°	5697
35°	3614
40°	1932
45°	1395
50°	768
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.4	80.5
10°-20°	31.5	13.4
20°-30°	8.7	3.7
30°-40°	3.9	1.7
40°-50°	1.3	0.6
50°-60°	0.5	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°	229.5	97.5
0°-40°	233.5	99.2
0°-60°	235.3	100.0
0°-90°	235.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4838	
5°	3140	189
15°	93	31
25°	17	9
35°	6	4
45°	2	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4838
1°	4768
2°	4584
3°	4259
4°	3768
5°	3140
6°	2406
7°	1637
8°	991
9°	557
10°	332
12.5°	155
15°	93
17.5°	62
20°	38
22.5°	24
25°	17
27.5°	13
30°	10
32.5°	8
35°	6
37.5°	5
40°	3
42.5°	2
45°	2
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	0
60°	0
62.5°	0
65°	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)