

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: P247031

Luminaire Tested: **203-SS-8LED2736-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247031
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-9)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2736-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

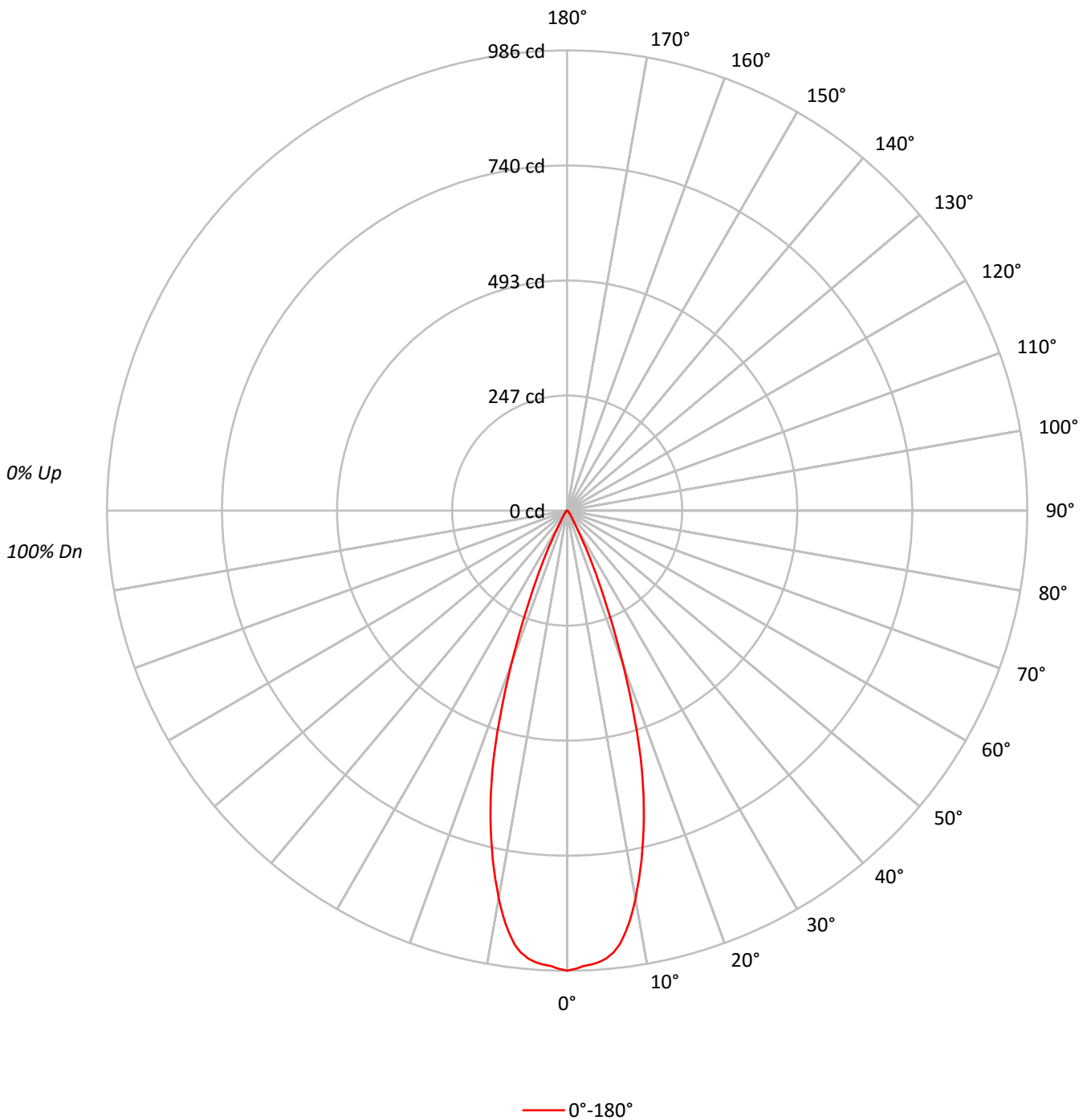
Lumens per Lamp: N/A
Luminaire Lumens: 339.3 lumens
Efficiency: N/A
Efficacy: 44.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
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	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	109	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°	486423
5°	476989
10°	422586
15°	323122
20°	182610
25°	71587
30°	19256
35°	8252
40°	4702
45°	3210
50°	2840
55°	3183
60°	1776
65°	1051
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	26.0
10°-20°	167.7	49.4
20°-30°	64.8	19.1
30°-40°	9.9	2.9
40°-50°	3.9	1.1
50°-60°	2.9	0.8
60°-70°	1.2	0.4
70°-80°	0.6	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°	320.8	94.5
0°-40°	330.7	97.5
0°-60°	337.5	99.5
0°-90°	339.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	339.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	986	
5°	963	88
15°	633	168
25°	132	65
35°	14	10
45°	5	4
55°	4	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	985.9
1°	982.3
2°	976.8
3°	974.0
4°	970.4
5°	963.1
6°	952.1
7°	934.8
8°	909.2
9°	879.1
10°	843.5
11°	805.2
12°	765.9
13°	723.0
14°	678.3
15°	632.6
16°	582.4
17°	526.7
18°	466.5
19°	406.2
20°	347.8
21°	292.1
22°	242.8
23°	199.0
24°	163.4
25°	131.5
26°	99.5
27°	75.8
28°	57.5
29°	43.8
30°	33.8
32.5°	21.0
35°	13.7
37.5°	10.0
40°	7.3
42.5°	5.5
45°	4.6
47.5°	4.6
50°	3.7
52.5°	3.7
55°	3.7
57.5°	2.7
60°	1.8
62.5°	1.8
65°	0.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)