

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: G2-1802-569-22

Luminaire Tested: **203-FL-8LED4036-12-BK-LVR**

Test Date: 04/07/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-22
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/07/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED4036-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC, FLUSH HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 95 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

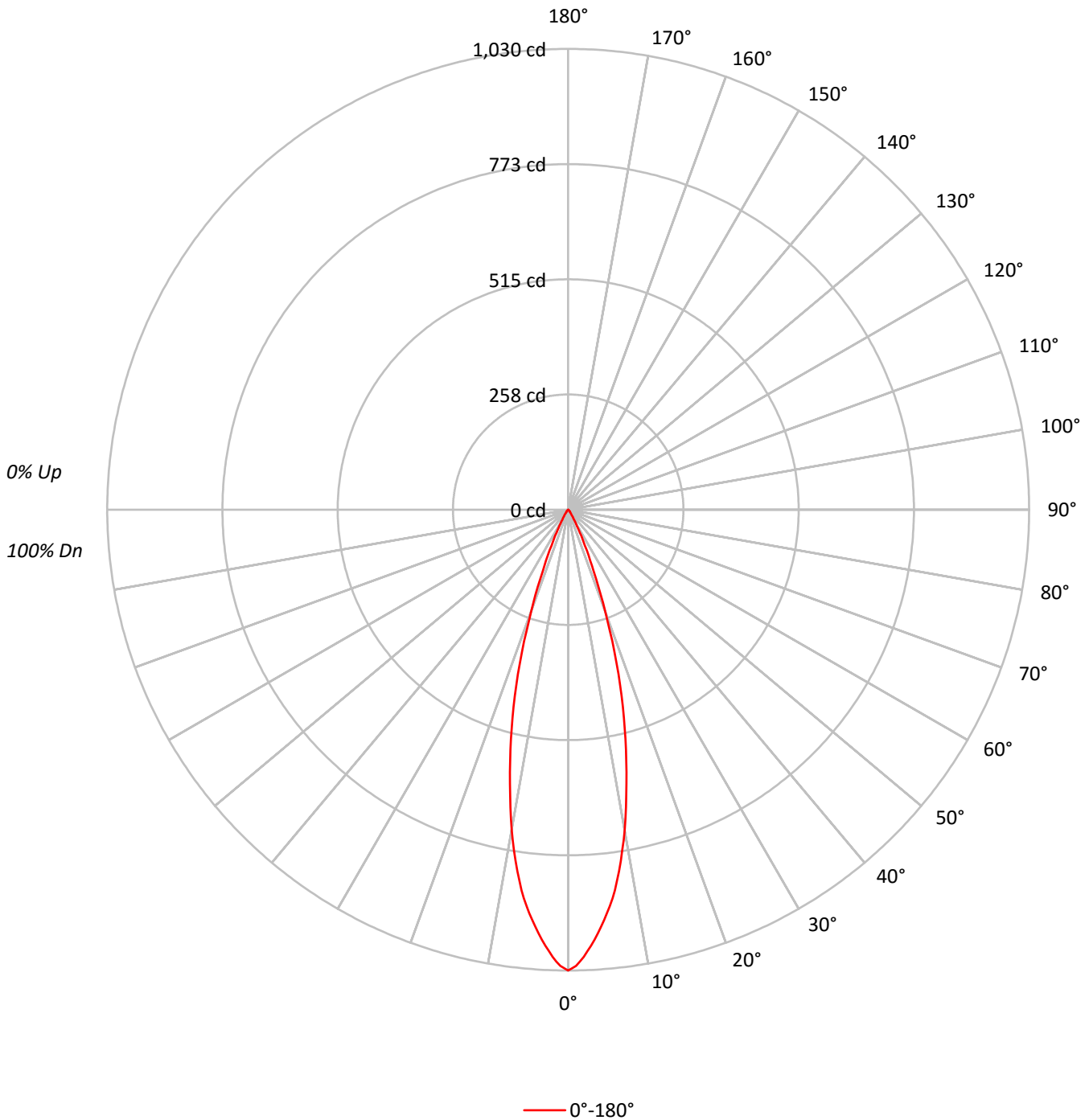
Lumens per Lamp: N/A
Luminaire Lumens: 267.9 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 0.47 / 0.47 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
Input Voltage (V): 12.0
Input Current (A_{in}): 0.677
Voltage Rise (V): NR
Power Factor: 0.9909
Total Harmonic Distortion (THDi): 27.3%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 24.8
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	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	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	95	93	91	90
4	104	99	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	80	85	82	80	85	82	80	79
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	90	83	78	76	89	82	78	76	81	78	75	81	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	76	73	79	75	73	78	75	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	508181
5°	456138
10°	364220
15°	246198
20°	126535
25°	47906
30°	15952
35°	7228
40°	3220
45°	2093
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°	81.9	30.6
10°-20°	128.9	48.1
20°-30°	45.8	17.1
30°-40°	8.3	3.1
40°-50°	2.3	0.9
50°-60°	0.8	0.3
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°	256.6	95.8
0°-40°	264.9	98.9
0°-60°	267.9	100.0
0°-90°	267.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	267.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1030	
5°	921	82
15°	482	129
25°	88	46
35°	12	8
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1030
1°	1020
2°	1000
3°	976
4°	949
5°	921
6°	891
7°	857
8°	816
9°	772
10°	727
11°	677
12°	626
13°	576
14°	528
15°	482
16°	433
17°	384
18°	334
19°	286
20°	241
22.5°	148
25°	88
26°	71
27°	58
28°	46
29°	36
30°	28
32.5°	18
35°	12
37.5°	8
40°	5
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
67.5°	0
70°	0
72.5°	0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)