

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: G2-1802-569-42

Luminaire Tested: **203-SS-8LED4025-12-CS-LVR**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-42
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-8LED4025-12-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

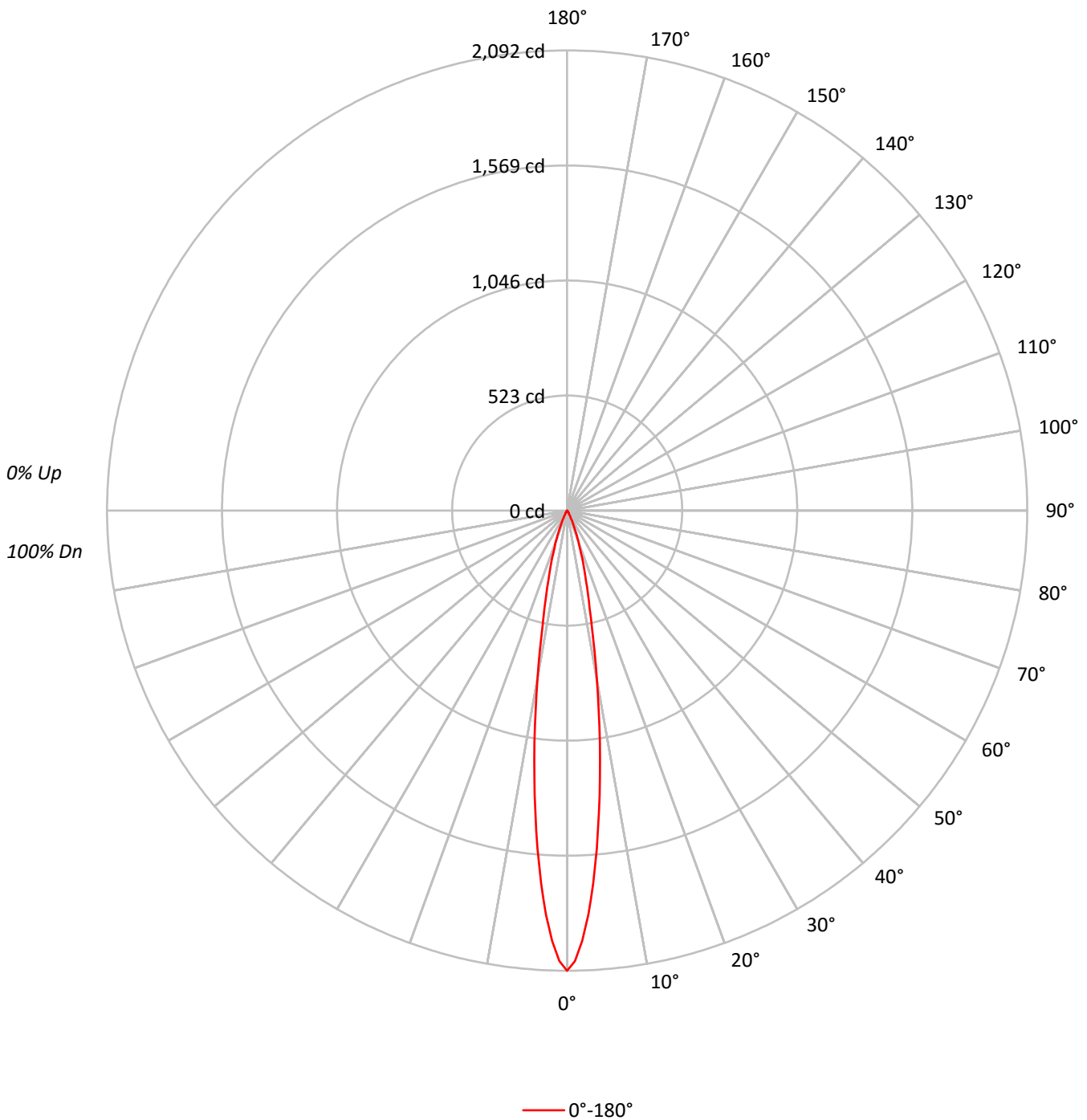
Lumens per Lamp: N/A
Luminaire Lumens: 253.2 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): 12.0
Input Current (A_{in}): 0.629
Voltage Rise (V): NR
Power Factor: 0.9913
Total Harmonic Distortion (THDi): 26.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.2
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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93
4	106	101	98	95	105	100	97	95	98	96	94	97	94	92	95	93	91	90
5	104	98	95	92	102	97	94	92	96	93	91	94	92	90	93	91	89	88
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86
7	99	93	89	87	98	93	89	87	91	88	86	90	88	86	90	87	85	84
8	97	91	87	85	96	90	87	85	89	86	84	89	86	84	88	85	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	81	85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1032150
5°	764193
10°	389270
15°	169580
20°	77181
25°	28852
30°	8546
35°	4216
40°	2576
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°	121.9	48.1
10°-20°	97.1	38.3
20°-30°	27.1	10.7
30°-40°	5.0	2.0
40°-50°	1.6	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°	246.1	97.2
0°-40°	251.1	99.1
0°-60°	253.2	100.0
0°-90°	253.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	253.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2092	
5°	1543	122
15°	332	97
25°	53	27
35°	7	5
45°	2	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2092
1°	2048
2°	1958
3°	1840
4°	1698
5°	1543
6°	1382
7°	1223
8°	1067
9°	916
10°	777
11°	650
12°	544
13°	457
14°	387
15°	332
16°	285
17°	244
18°	207
19°	175
20°	147
22.5°	90
25°	53
26°	40
27°	32
28°	24
29°	19
30°	15
32.5°	11
35°	7
37.5°	5
40°	4
42.5°	3
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



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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)