

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: G2-1802-569-8

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

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-8
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER
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: 361.8 lumens
Efficiency: N/A
Efficacy: 49.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

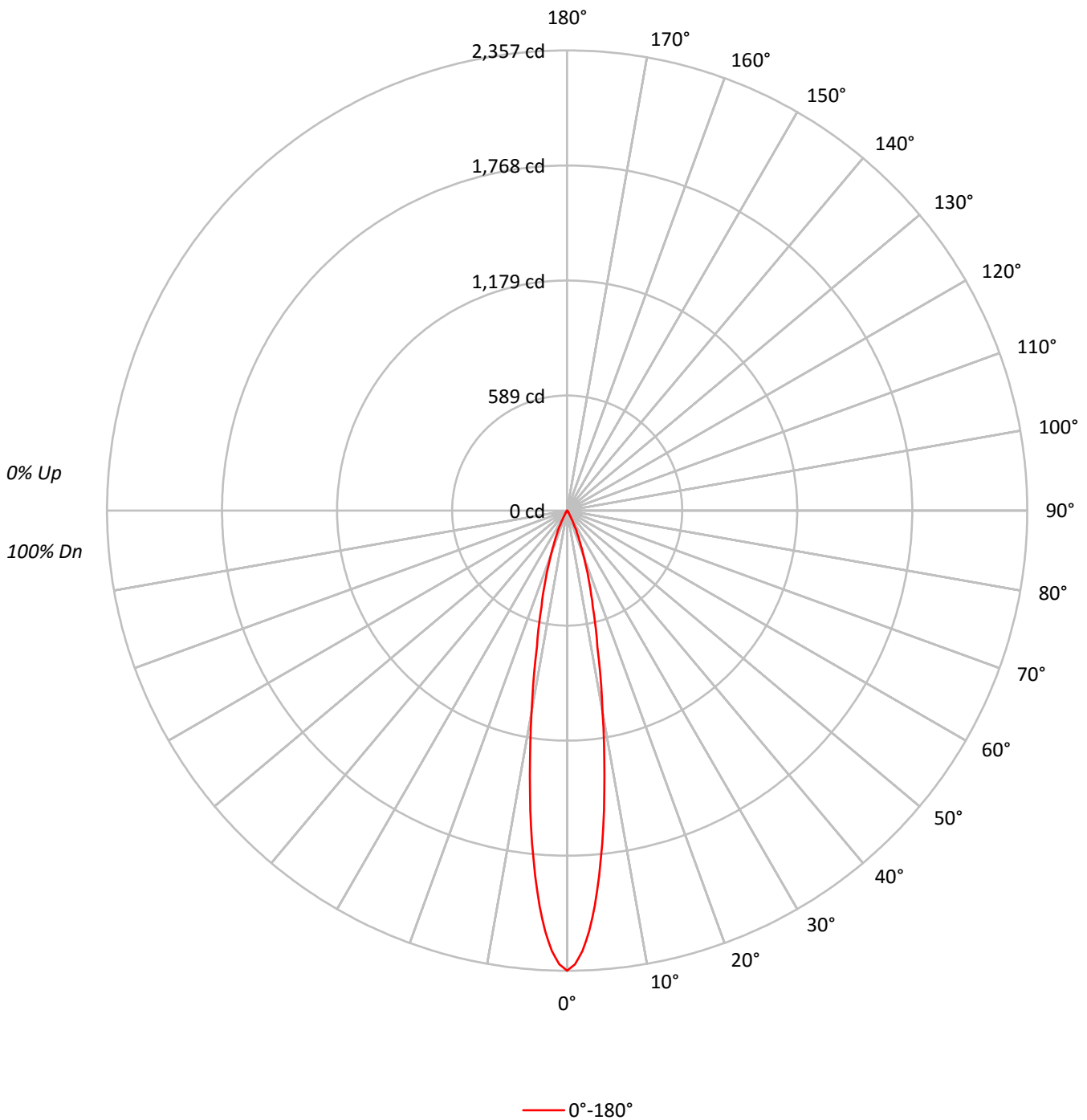
Input Watts (W): 7.3
Input Voltage (V): 12.0
Input Current (A_{in}): 0.642
Voltage Rise (V): NR
Power Factor: 0.9913
Total Harmonic Distortion (THDi): 26.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.0
Test Distance: 25 FT



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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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	95	93	97	94	92	95	93	91	93	91	90	89
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	99	94	90	87	98	93	89	86	92	88	86	90	88	85	89	87	85	84
7	97	91	87	84	96	90	86	84	89	86	83	88	85	83	87	85	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78
10	90	84	80	78	89	84	80	78	83	80	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1162896
5°	930601
10°	524036
15°	259478
20°	128111
25°	56072
30°	13673
35°	6625
40°	3864
45°	2791
50°	3070
55°	2581
60°	1974
65°	1167
70°	1443
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	41.9
10°-20°	146.8	40.6
20°-30°	48.4	13.4
30°-40°	7.6	2.1
40°-50°	3.5	1.0
50°-60°	2.7	0.7
60°-70°	1.1	0.3
70°-80°	0.1	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°	346.7	95.8
0°-40°	354.4	98.0
0°-60°	360.5	99.7
0°-90°	361.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2357	
5°	1879	152
15°	508	147
25°	103	48
35°	11	8
45°	4	3
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2357
1°	2324
2°	2257
3°	2157
4°	2029
5°	1879
6°	1717
7°	1546
8°	1372
9°	1208
10°	1046
12.5°	715
15°	508
17.5°	360
20°	244
22.5°	160
25°	103
27.5°	47
30°	24
32.5°	16
35°	11
37.5°	8
40°	6
42.5°	5
45°	4
47.5°	4
50°	4
52.5°	3
55°	3
57.5°	3
60°	2
62.5°	1
65°	1
67.5°	1
70°	1
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)