

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: G2-1802-569-5

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-5
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-8LED4025-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK
Light Source: (1) SORAA 4000K 95 CRI 25°NFL LED SM16-07-25D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 374.2 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.33
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

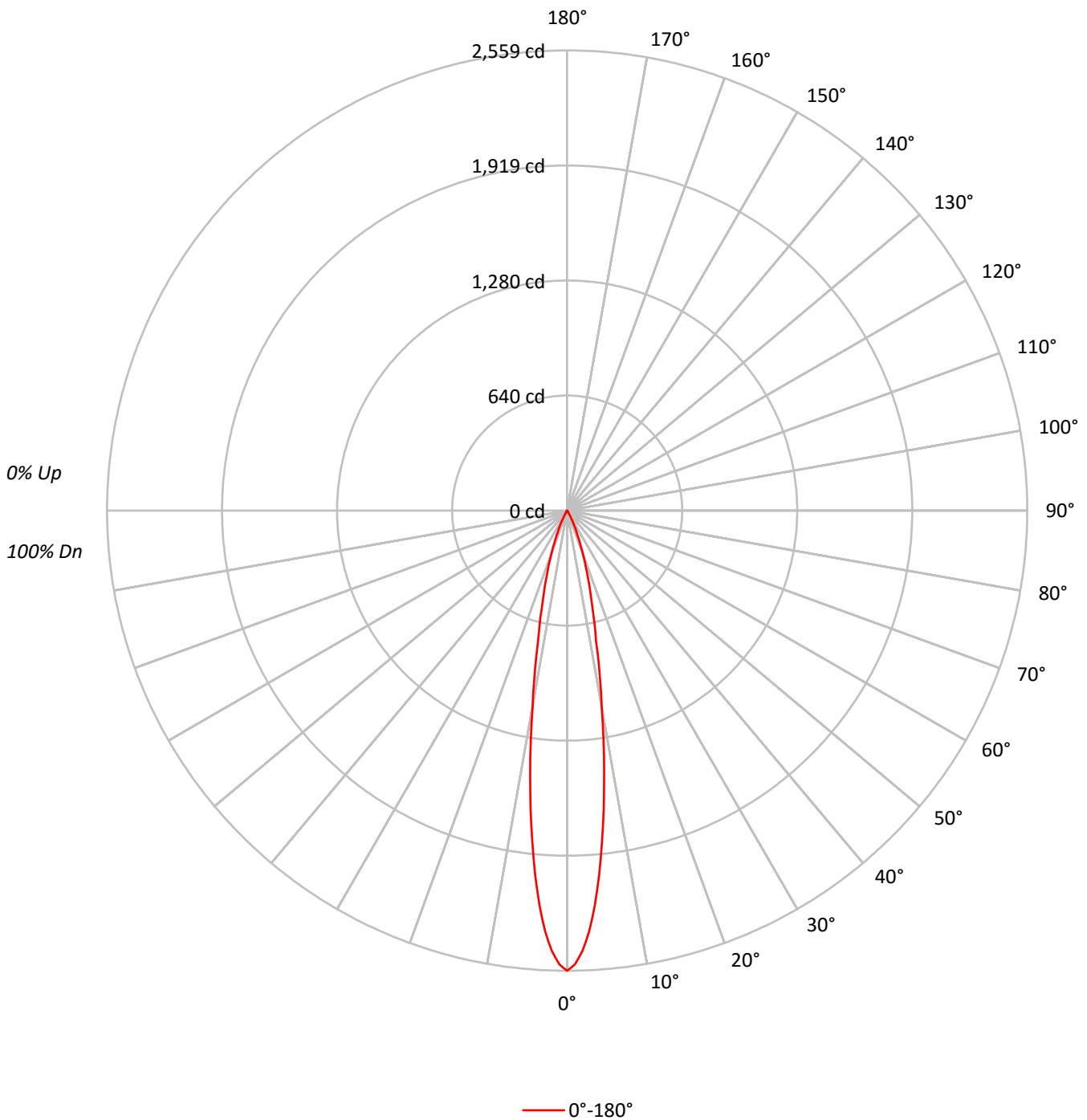
Input Watts (W): 7.9
Input Voltage (V): 12.0
Input Current (A_{in}): 0.693
Voltage Rise (V): NR
Power Factor: 0.9491
Total Harmonic Distortion (THDi): 26.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 9 HR
Ambient Temperature (°C): 25.1
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1262558
5°	1007863
10°	556100
15°	268672
20°	131786
25°	55527
30°	12534
35°	4818
40°	2576
45°	1395
50°	768
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	43.7
10°-20°	153.0	40.9
20°-30°	49.2	13.1
30°-40°	5.9	1.6
40°-50°	1.6	0.4
50°-60°	0.9	0.2
60°-70°	0.1	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°	365.7	97.7
0°-40°	371.6	99.3
0°-60°	374.1	100.0
0°-90°	374.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	374.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2559	
5°	2035	163
15°	526	153
25°	102	49
35°	8	6
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°	2559
1°	2524
2°	2450
3°	2343
4°	2201
5°	2035
6°	1855
7°	1669
8°	1478
9°	1290
10°	1110
12.5°	746
15°	526
17.5°	373
20°	251
22.5°	162
25°	102
27.5°	51
30°	22
32.5°	13
35°	8
37.5°	5
40°	4
42.5°	3
45°	2
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
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)