

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: G2-1802-569-31

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-31
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 95 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

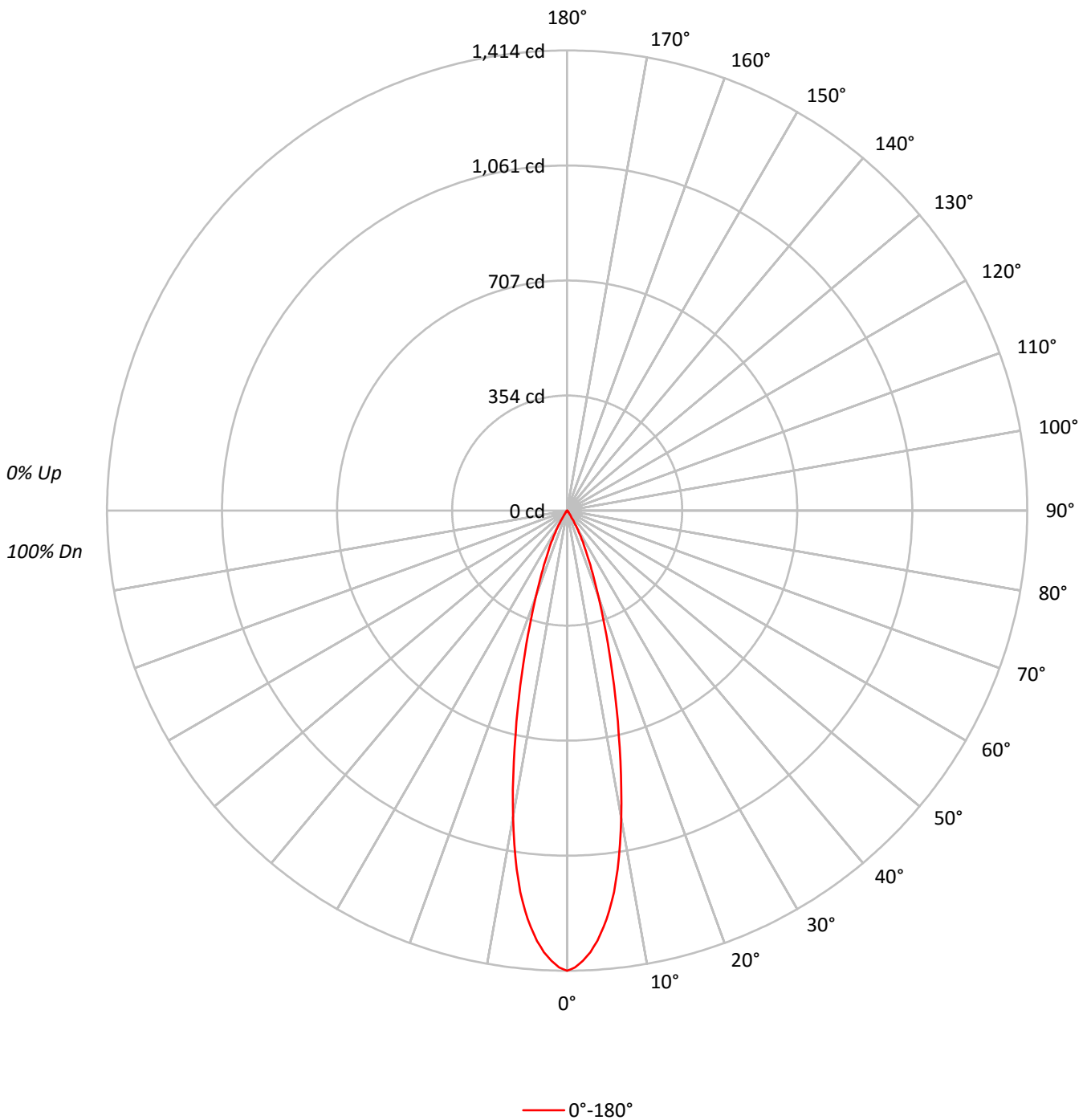
Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.44
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
Input Voltage (V): 12.0
Input Current (Ain): 0.692
Voltage Rise (V): NR
Power Factor: 0.991
Total Harmonic Distortion (THDi): 27.0
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	109	113	111	109	107	107	105	104		103	102	101		100	99	98	97
2	111	107	104	102	109	106	103	101	103	100	99		100	98	97		97	96	95	93
3	107	103	99	96	106	101	98	95	99	96	94		97	94	93		95	93	91	90
4	104	99	95	92	103	98	94	91	96	92	90		94	91	89		92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	87		91	88	86		90	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83		88	85	83		87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	81		86	83	80		85	82	80	79
8	92	86	81	78	91	85	81	78	84	81	78		83	80	78		82	80	77	76
9	90	83	79	76	89	82	79	76	82	78	76		81	78	75		80	77	75	74
10	87	80	76	74	87	80	76	74	79	76	73		79	76	73		78	75	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	697639
5°	636414
10°	479448
15°	283996
20°	147012
25°	74036
30°	30764
35°	9035
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°	112.3	32.6
10°-20°	153.3	44.4
20°-30°	64.5	18.7
30°-40°	11.8	3.4
40°-50°	2.3	0.7
50°-60°	0.8	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°	330.1	95.7
0°-40°	341.9	99.1
0°-60°	345.0	100.0
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1414	
5°	1285	112
15°	556	153
25°	136	64
35°	15	12
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°	1414
1°	1404
2°	1384
3°	1359
4°	1326
5°	1285
6°	1237
7°	1181
8°	1113
9°	1039
10°	957
11°	873
12°	787
13°	705
14°	628
15°	556
16°	489
17°	427
18°	372
19°	323
20°	280
21°	241
22°	209
23°	182
24°	157
25°	136
26°	117
27°	99
28°	83
29°	69
30°	54
32.5°	25
35°	15
37.5°	9
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



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CANDELA DISTRIBUTION (continued):

	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)