

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: G2-1802-569-43

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

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-43
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

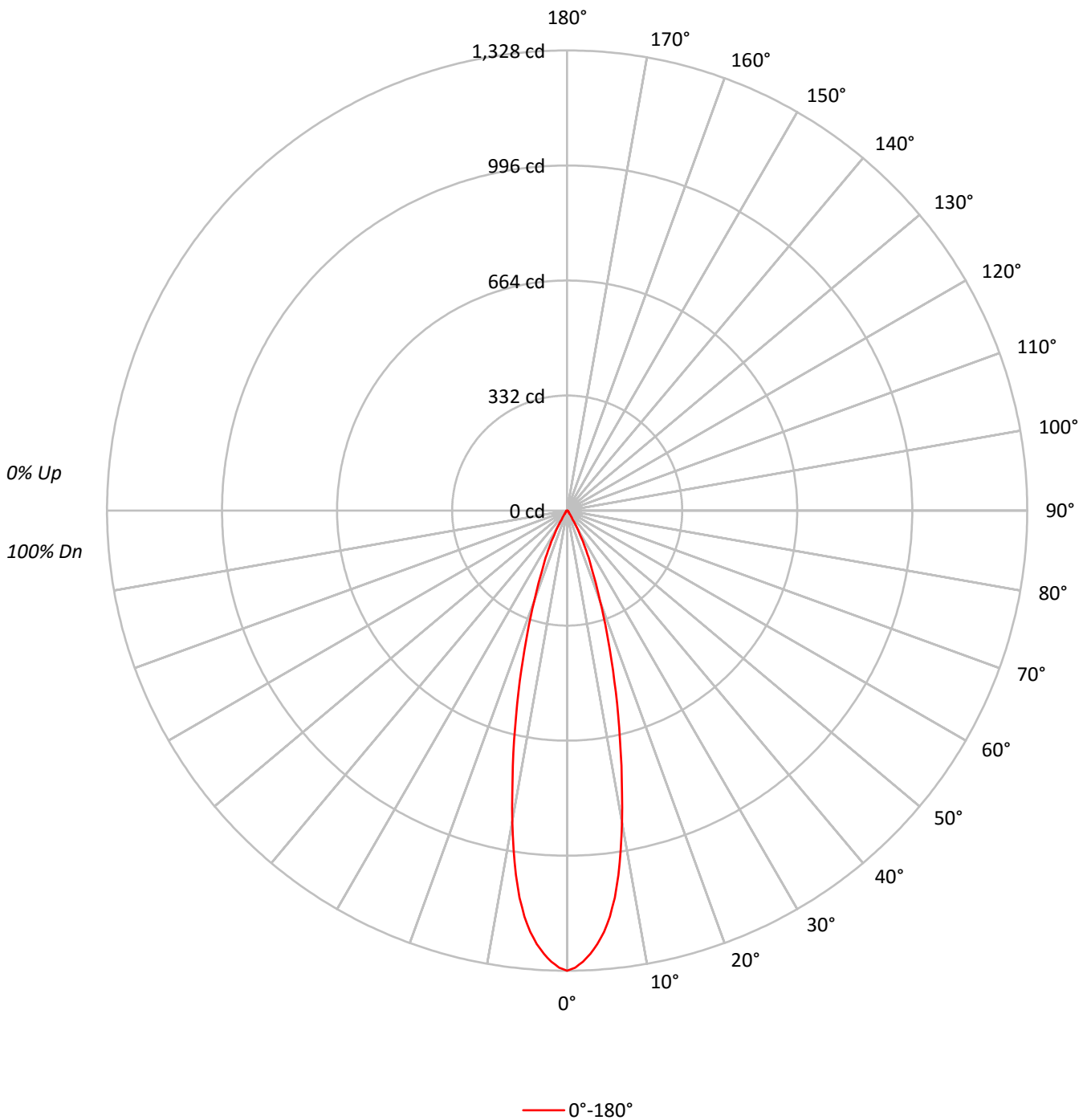
Lumens per Lamp: N/A
Luminaire Lumens: 341.2 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): 12.0
Input Current (Ain): 0.662
Voltage Rise (V): NR
Power Factor: 0.9909
Total Harmonic Distortion (THDi): 27.1%
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	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	78	77
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	655208
5°	604718
10°	456904
15°	276845
20°	146487
25°	75125
30°	29625
35°	10239
40°	5152
45°	3489
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°	106.8	31.3
10°-20°	149.1	43.7
20°-30°	64.5	18.9
30°-40°	12.9	3.8
40°-50°	4.0	1.2
50°-60°	2.5	0.7
60°-70°	1.1	0.3
70°-80°	0.4	0.1
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°	320.3	93.9
0°-40°	333.2	97.7
0°-60°	339.7	99.6
0°-90°	341.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1328	
5°	1221	107
15°	542	149
25°	138	64
35°	17	13
45°	5	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1328
1°	1319
2°	1303
3°	1281
4°	1254
5°	1221
6°	1178
7°	1126
8°	1062
9°	990
10°	912
11°	831
12°	753
13°	679
14°	608
15°	542
16°	479
17°	422
18°	371
19°	322
20°	279
21°	241
22°	209
23°	182
24°	159
25°	138
26°	118
27°	100
28°	82
29°	66
30°	52
32.5°	27
35°	17
37.5°	11
40°	8
42.5°	6
45°	5
47.5°	4
50°	4
52.5°	3
55°	3
57.5°	2
60°	2
62.5°	1
65°	1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)