

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: P246997

Luminaire Tested: **203-FL-8LED2710-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246997
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-15)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED2710-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
FLUSH HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-10D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

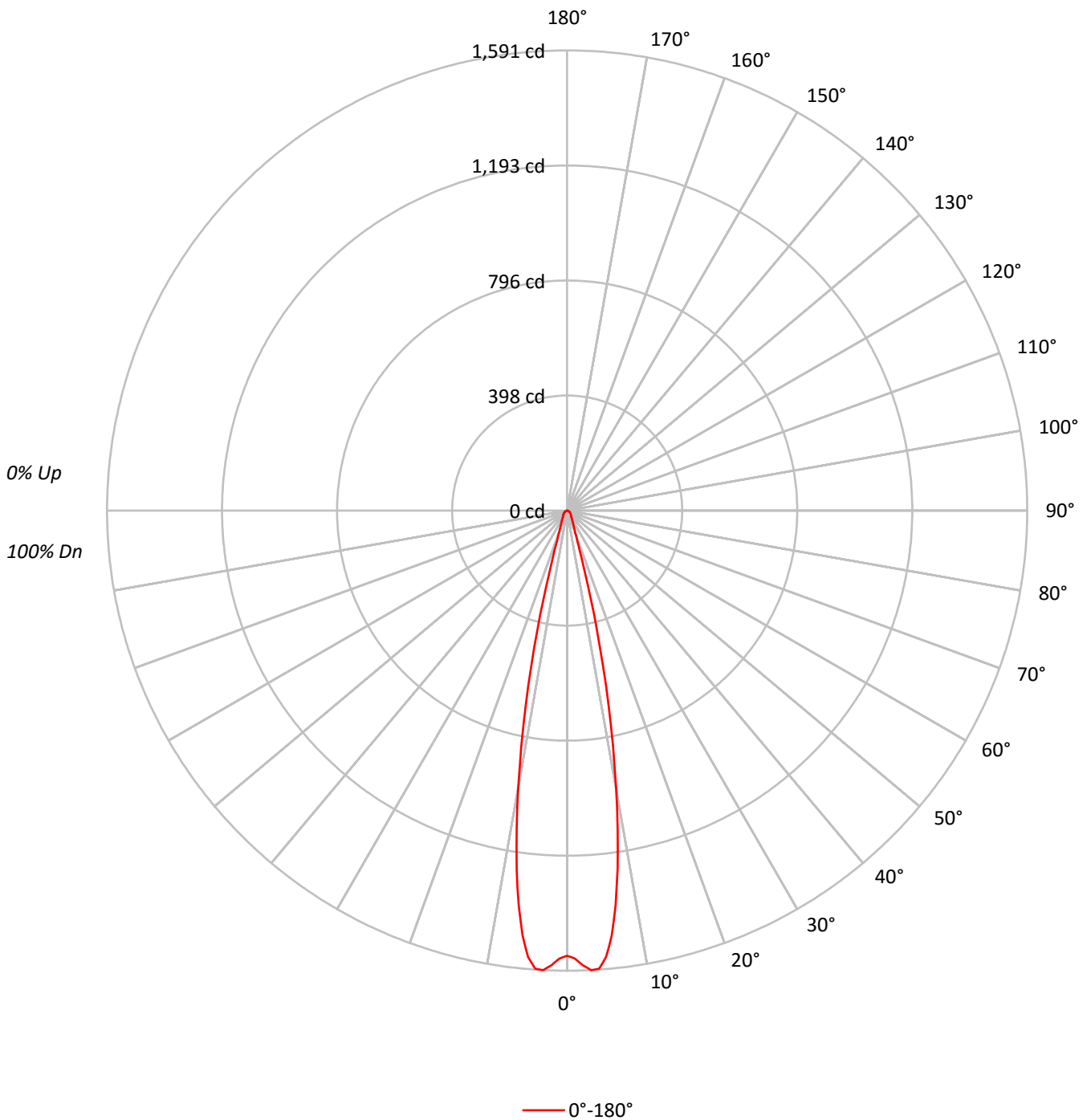
Lumens per Lamp: N/A
Luminaire Lumens: 299.9 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	101	96	93	104	99	95	92	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80		86	82	80		84	82	79	78
7	93	86	81	78	92	85	81	78	84	81	78		83	80	77		82	79	77	76
8	91	83	79	76	90	83	79	76	82	78	76		81	78	75		80	77	75	74
9	88	81	77	74	87	81	77	74	80	76	74		79	76	73		78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	759360
5°	767263
10°	487514
15°	160846
20°	43631
25°	25858
30°	18743
35°	14817
40°	13525
45°	12071
50°	11206
55°	10236
60°	8980
65°	8522
70°	6636
75°	5147
80°	2557
85°	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	42.7
10°-20°	98.0	32.7
20°-30°	22.9	7.6
30°-40°	16.0	5.3
40°-50°	13.6	4.5
50°-60°	10.6	3.5
60°-70°	7.1	2.4
70°-80°	2.9	1.0
80°-90°	0.6	0.2
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°	249.1	83.1
0°-40°	265.1	88.4
0°-60°	289.3	96.5
0°-90°	299.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1539	
5°	1549	128
15°	315	98
25°	48	23
35°	25	16
45°	17	14
55°	12	11
65°	7	7
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1539.1
1°	1549.2
2°	1572.9
3°	1591.2
4°	1587.5
5°	1549.2
6°	1477.0
7°	1375.7
8°	1251.6
9°	1116.5
10°	973.1
11°	828.9
12°	690.1
13°	550.5
14°	423.6
15°	314.9
16°	228.2
17°	165.2
18°	124.2
19°	98.6
20°	83.1
21°	72.1
22°	63.9
23°	57.5
24°	52.0
25°	47.5
26°	43.8
27°	41.1
28°	38.3
29°	35.6
30°	32.9
32.5°	28.3
35°	24.6
37.5°	22.8
40°	21.0
42.5°	19.2
45°	17.3
47.5°	16.4
50°	14.6
52.5°	12.8
55°	11.9
57.5°	11.0
60°	9.1
62.5°	8.2
65°	7.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.4
70°	4.6
72.5°	3.7
75°	2.7
77.5°	1.8
80°	0.9
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

(END OF REPORT)