

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: P246954

Luminaire Tested: **203-FL-8LED3010-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246954
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-8LED3010-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, FLUSH HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-10D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

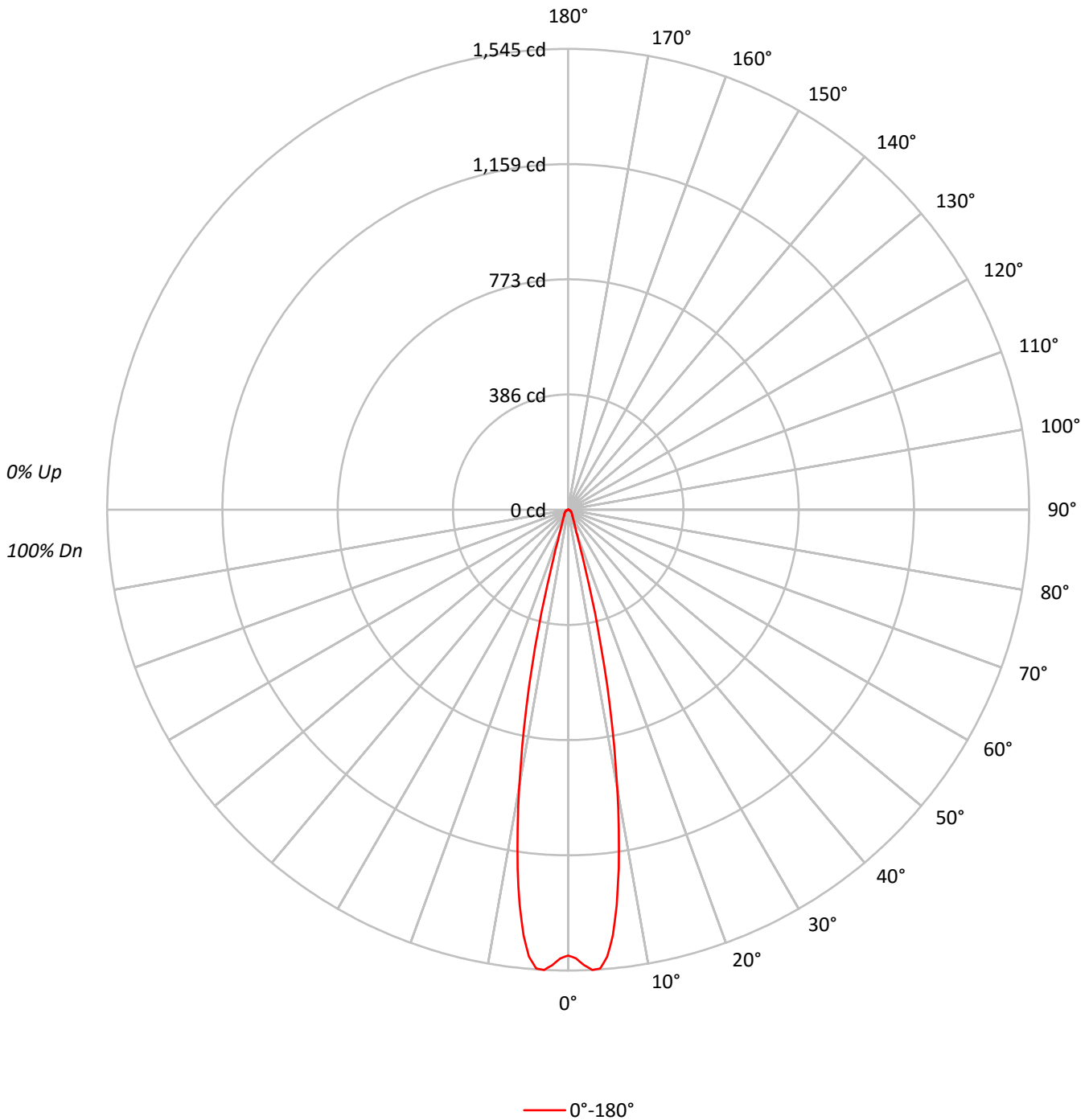
Lumens per Lamp: N/A
Luminaire Lumens: 291.3 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	80	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°	737405
5°	745075
10°	473436
15°	156198
20°	42371
25°	25096
30°	18174
35°	14395
40°	13139
45°	11722
50°	10899
55°	9892
60°	8782
65°	8289
70°	6347
75°	5147
80°	2557
85°	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	42.7
10°-20°	95.2	32.7
20°-30°	22.3	7.6
30°-40°	15.5	5.3
40°-50°	13.2	4.5
50°-60°	10.3	3.5
60°-70°	6.9	2.4
70°-80°	2.8	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°	241.9	83.0
0°-40°	257.4	88.4
0°-60°	281.0	96.5
0°-90°	291.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1495	
5°	1504	124
15°	306	95
25°	46	22
35°	24	16
45°	17	13
55°	12	10
65°	7	7
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1494.6
1°	1504.4
2°	1527.4
3°	1545.2
4°	1541.6
5°	1504.4
6°	1434.3
7°	1335.9
8°	1215.4
9°	1084.2
10°	945.0
11°	804.9
12°	670.2
13°	534.6
14°	411.3
15°	305.8
16°	221.6
17°	160.5
18°	120.6
19°	95.7
20°	80.7
21°	70.0
22°	62.1
23°	55.8
24°	50.5
25°	46.1
26°	42.6
27°	39.9
28°	37.2
29°	34.6
30°	31.9
32.5°	27.5
35°	23.9
37.5°	22.2
40°	20.4
42.5°	18.6
45°	16.8
47.5°	16.0
50°	14.2
52.5°	12.4
55°	11.5
57.5°	10.6
60°	8.9
62.5°	8.0
65°	7.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.2
70°	4.4
72.5°	3.5
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)