

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: P246993

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246993
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-1)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
FLUSH HOOD BLACK
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: 320.6 lumens
Efficiency: N/A
Efficacy: 40.1 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

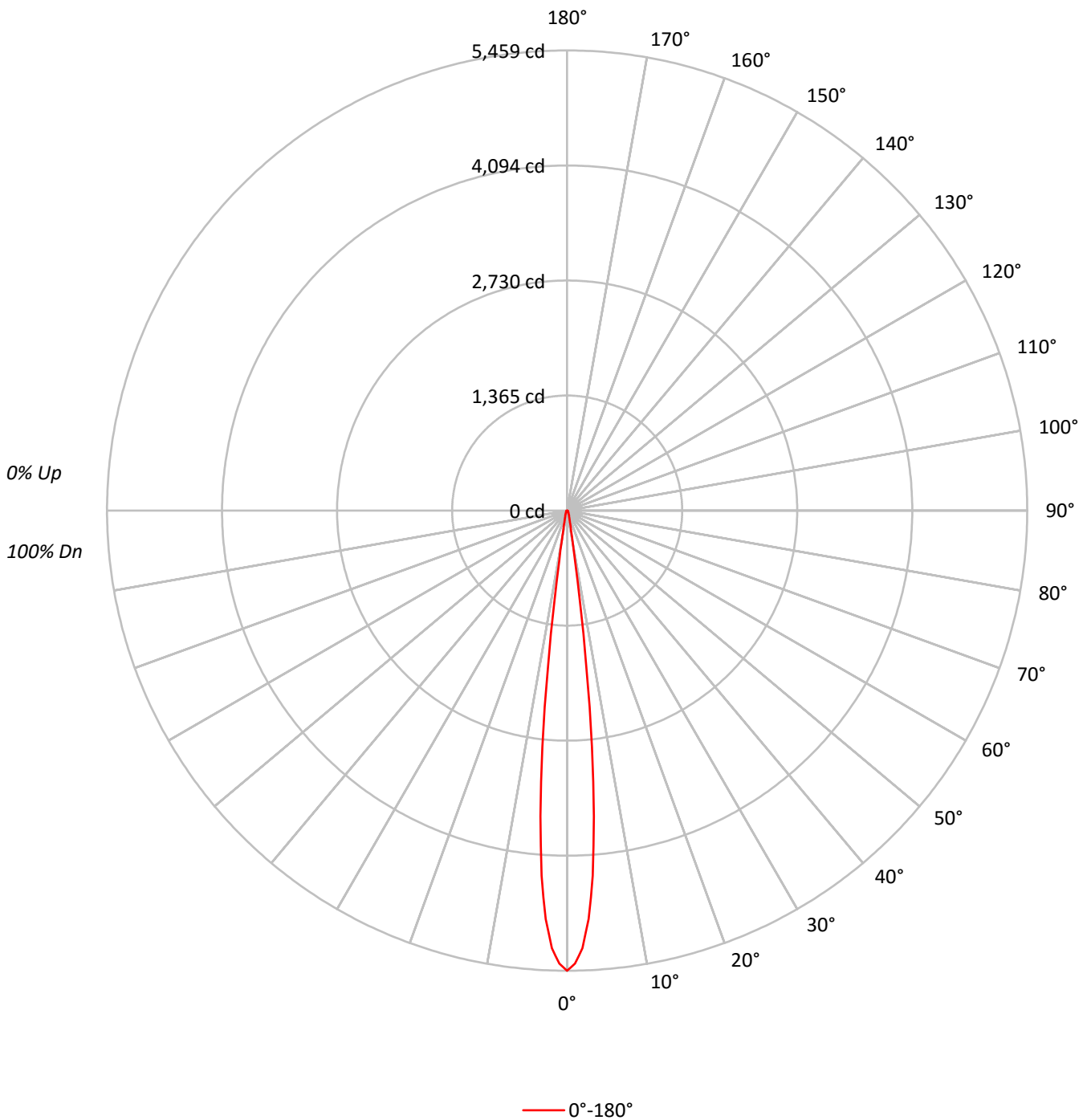
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99		100	98	96		97	96	94	93
3	108	103	99	97	106	102	98	96	99	97	94		97	95	93		95	93	91	90
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93	91	89	88
5	102	96	92	89	101	96	92	89	94	91	88		92	90	88		91	89	87	86
6	100	94	90	87	99	93	89	87	92	89	86		91	88	86		89	87	85	84
7	98	92	88	85	97	91	87	85	90	87	84		89	86	84		88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83		88	85	83		87	84	82	82
9	94	88	85	82	93	88	84	82	87	84	82		86	84	82		86	83	81	80
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2693408
5°	1802613
10°	180657
15°	55931
20°	34495
25°	20850
30°	15610
35°	14275
40°	13525
45°	12071
50°	11897
55°	11010
60°	8980
65°	8522
70°	7934
75°	5147
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	67.4
10°-20°	35.7	11.1
20°-30°	18.8	5.9
30°-40°	14.8	4.6
40°-50°	13.7	4.3
50°-60°	11.1	3.5
60°-70°	7.2	2.3
70°-80°	3.0	0.9
80°-90°	0.4	0.1
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°	270.5	84.4
0°-40°	285.2	89.0
0°-60°	310.0	96.7
0°-90°	320.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5459	
5°	3640	216
15°	110	36
25°	38	19
35°	24	15
45°	17	14
55°	13	11
65°	7	7
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5459.1
1°	5375.1
2°	5192.5
3°	4853.8
4°	4342.6
5°	3639.7
6°	2819.9
7°	1867.8
8°	1082.7
9°	599.8
10°	360.6
11°	252.0
12°	191.7
13°	154.3
14°	128.7
15°	109.5
17.5°	80.3
20°	65.7
22.5°	51.1
25°	38.3
27.5°	31.0
30°	27.4
32.5°	24.6
35°	23.7
37.5°	21.9
40°	21.0
42.5°	19.2
45°	17.3
47.5°	16.4
50°	15.5
52.5°	14.6
55°	12.8
57.5°	10.0
60°	9.1
62.5°	8.2
65°	7.3
67.5°	6.4
70°	5.5
72.5°	3.7
75°	2.7
77.5°	1.8
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)