

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: P246960

Luminaire Tested: **203-FL-8LED3036-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246960
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED3036-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, FLUSH HOOD BLACK
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 362.7 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

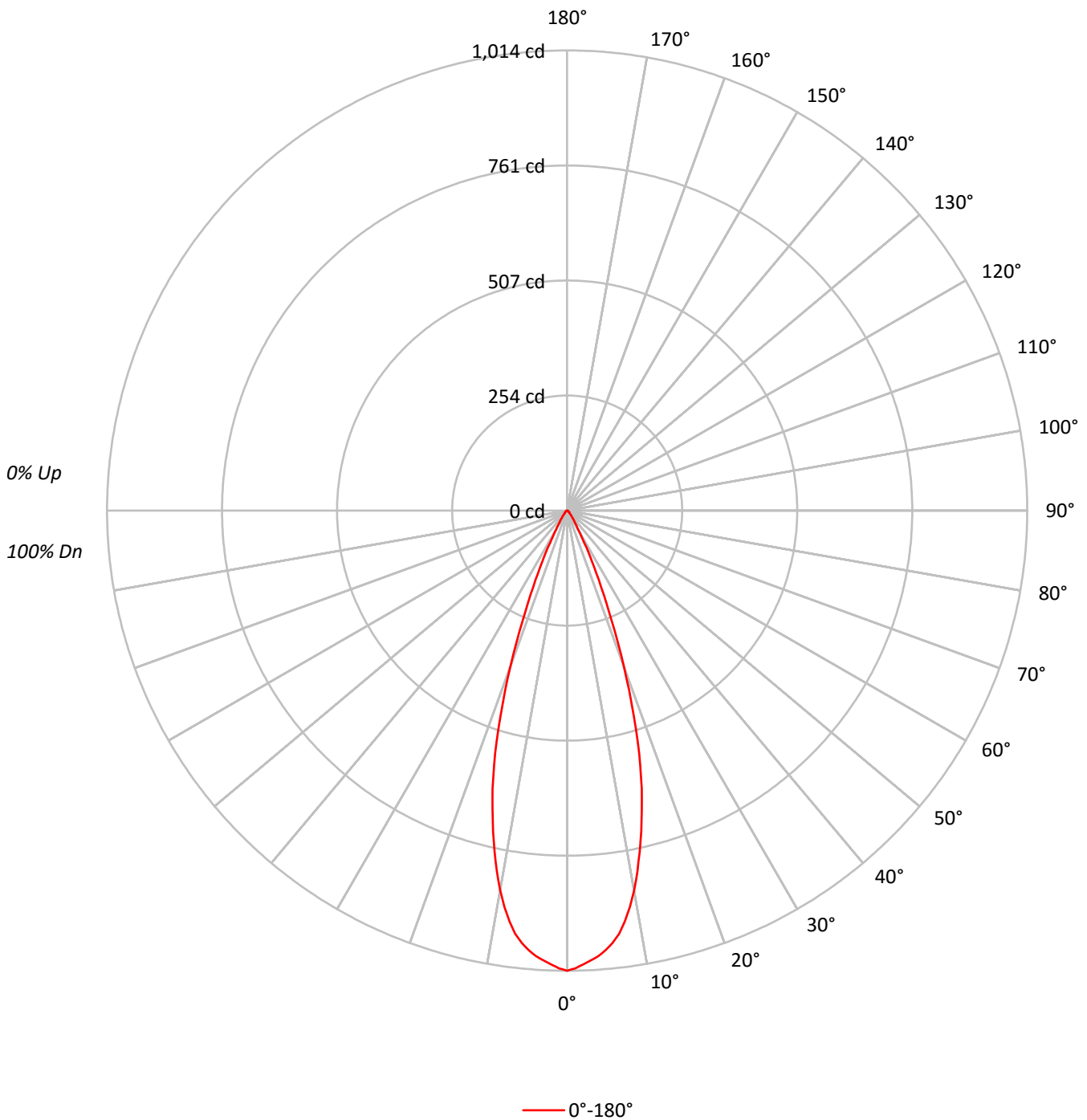
Input Watts (W): 7.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	106	106	105	103		102	101	100		99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91		95	92	90		93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87		91	88	86		89	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83		88	85	82		87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	79		85	82	79		84	81	78	77
7	92	85	80	77	91	84	80	77	83	79	76		82	79	76		81	78	76	74
8	89	82	77	74	88	81	77	74	80	76	73		79	76	73		78	75	73	72
9	86	79	74	71	85	78	74	71	78	74	71		77	73	71		76	73	70	69
10	84	76	72	69	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	500336
5°	481644
10°	425892
15°	324195
20°	191273
25°	83019
30°	29283
35°	14395
40°	7986
45°	4954
50°	4068
55°	3011
60°	3454
65°	3152
70°	2597
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	24.6
10°-20°	169.4	46.7
20°-30°	74.8	20.6
30°-40°	16.1	4.4
40°-50°	5.9	1.6
50°-60°	3.5	1.0
60°-70°	2.7	0.7
70°-80°	1.2	0.3
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°	333.3	91.9
0°-40°	349.4	96.3
0°-60°	358.9	98.9
0°-90°	362.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	362.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1014	
5°	972	89
15°	635	169
25°	152	75
35°	24	16
45°	7	6
55°	4	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1014.1
1°	1008.8
2°	1000.9
3°	992.9
4°	984.0
5°	972.5
6°	958.3
7°	939.7
8°	914.0
9°	883.8
10°	850.1
11°	810.3
12°	768.6
13°	725.2
14°	679.9
15°	634.7
16°	585.1
17°	531.9
18°	476.0
19°	419.3
20°	364.3
21°	312.0
22°	264.2
23°	220.7
24°	183.5
25°	152.5
26°	125.0
27°	101.1
28°	80.7
29°	63.8
30°	51.4
32.5°	32.8
35°	23.9
37.5°	16.8
40°	12.4
42.5°	8.9
45°	7.1
47.5°	6.2
50°	5.3
52.5°	4.4
55°	3.5
57.5°	3.5
60°	3.5
62.5°	2.7
65°	2.7



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)