

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: P246961

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246961
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-20)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
FLUSH HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

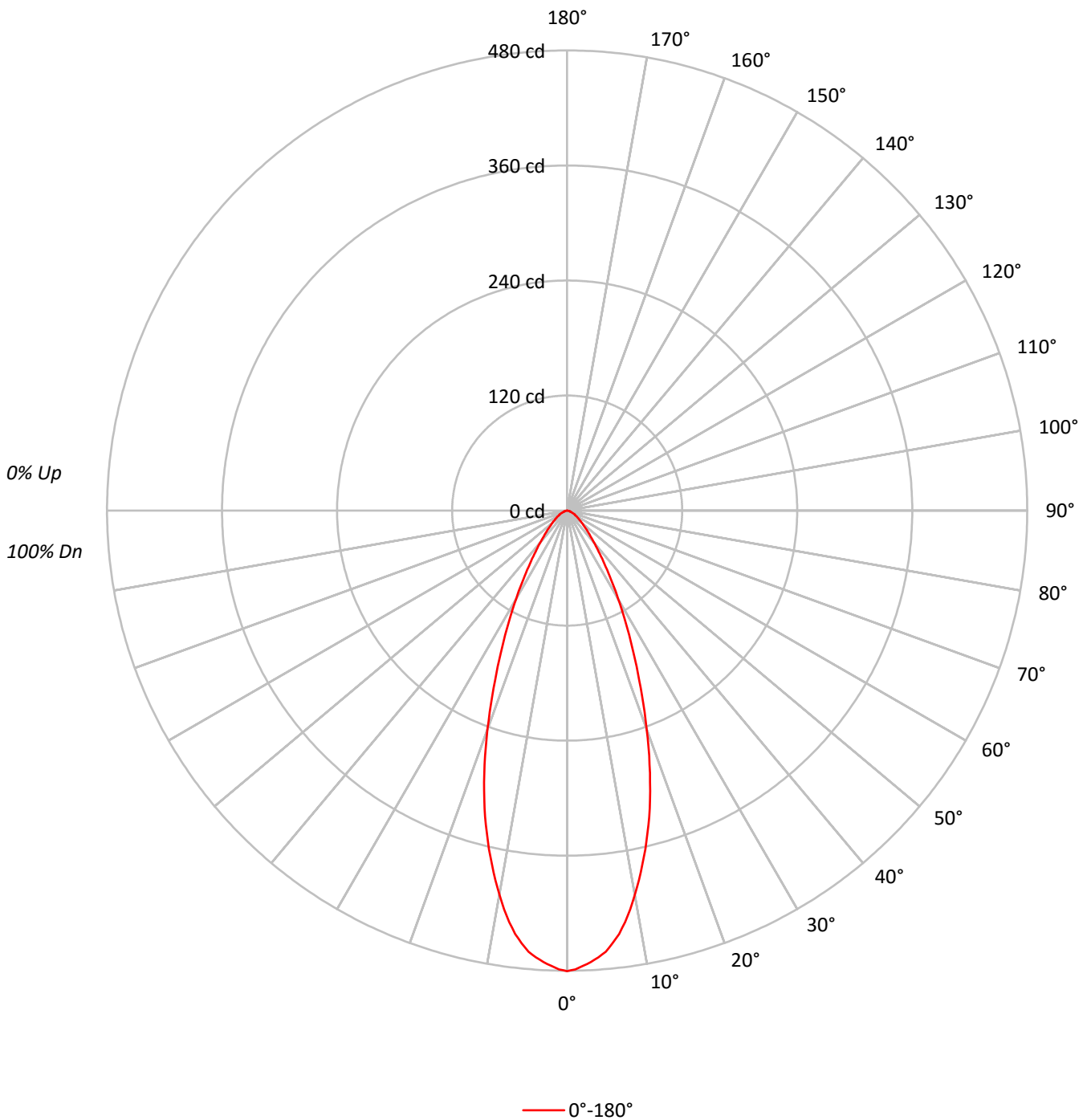
Lumens per Lamp: N/A
Luminaire Lumens: 298.1 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.66
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84		88	85	82		86	83	81	79
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81	78	75	74
5	92	83	77	73	90	82	77	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	68	86	77	72	67	76	71	67		74	70	67		73	69	66	65
7	83	74	68	63	82	73	67	63	72	67	63		71	66	62		69	65	62	61
8	79	70	64	60	78	69	63	59	68	63	59		67	62	59		66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56	54
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	237069
5°	228763
10°	203853
15°	168916
20°	127533
25°	89279
30°	60617
35°	40595
40°	27952
45°	20444
50°	15658
55°	12215
60°	9670
65°	8289
70°	6347
75°	5147
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	14.2
10°-20°	90.6	30.4
20°-30°	75.7	25.4
30°-40°	43.4	14.6
40°-50°	23.1	7.8
50°-60°	13.0	4.4
60°-70°	7.0	2.4
70°-80°	2.8	0.9
80°-90°	0.1	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°	208.6	70.0
0°-40°	252.1	84.5
0°-60°	288.2	96.7
0°-90°	298.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	480	
5°	462	42
15°	331	91
25°	164	76
35°	67	43
45°	29	23
55°	14	13
65°	7	7
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	480.5
1°	478.7
2°	475.2
3°	471.6
4°	467.2
5°	461.9
6°	453.9
7°	445.0
8°	433.5
9°	421.1
10°	406.9
11°	392.7
12°	377.6
13°	362.6
14°	346.6
15°	330.7
16°	313.8
17°	296.1
18°	278.4
19°	260.6
20°	242.9
21°	225.2
22°	208.3
23°	192.4
24°	178.2
25°	164.0
26°	150.7
27°	139.2
28°	127.7
29°	117.0
30°	106.4
32.5°	85.1
35°	67.4
37.5°	54.1
40°	43.4
42.5°	35.5
45°	29.3
47.5°	23.9
50°	20.4
52.5°	16.8
55°	14.2
57.5°	12.4
60°	9.8
62.5°	8.9
65°	7.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.3
70°	4.4
72.5°	3.5
75°	2.7
77.5°	1.8
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)