

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: P247004

Luminaire Tested: **203-FL-8LED2736-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247004
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-8LED2736-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
FLUSH HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

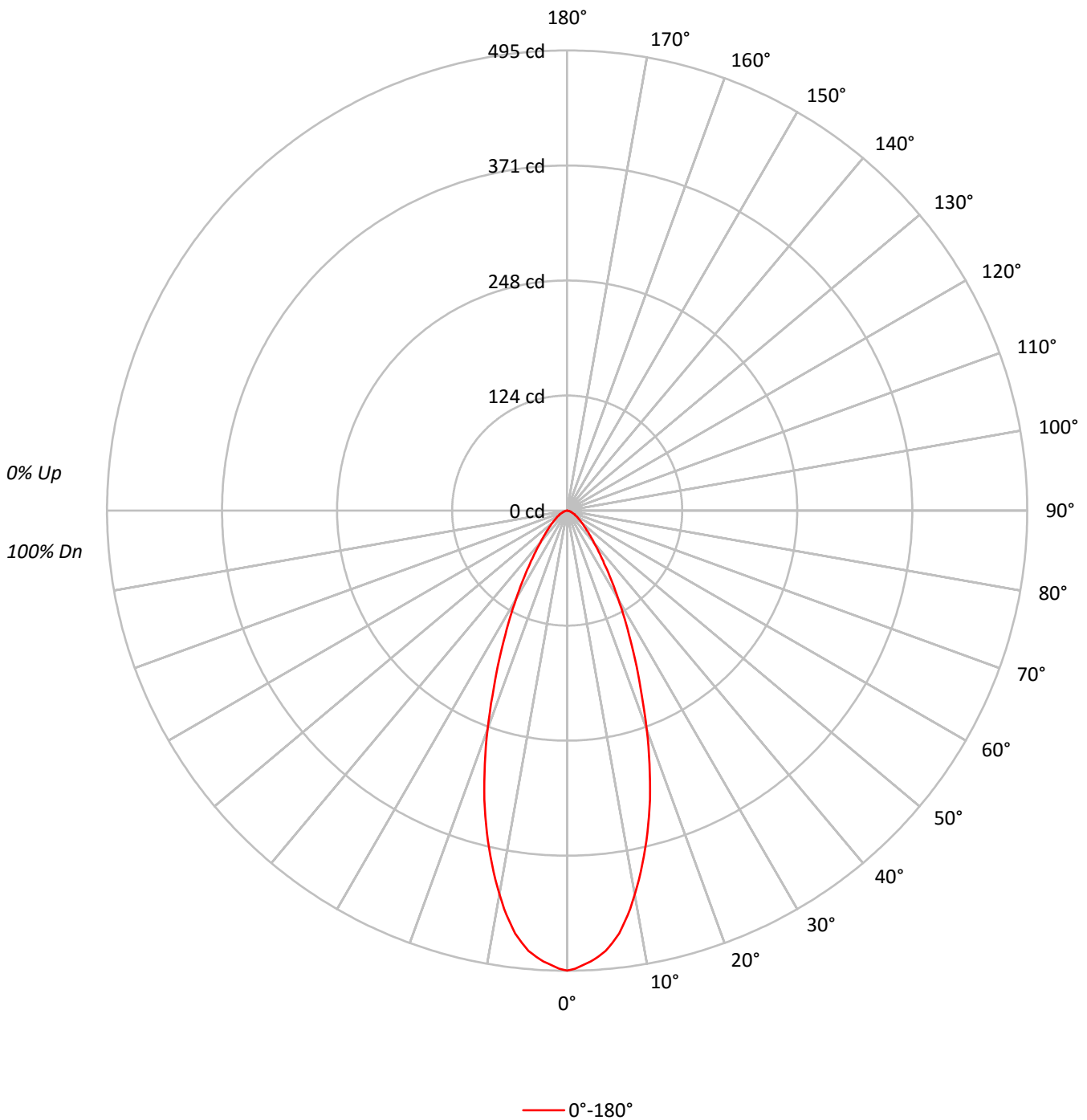
Lumens per Lamp: N/A
Luminaire Lumens: 306.9 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.66
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
Input Voltage (V): NR
Input Current (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	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	63	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°	244124
5°	235548
10°	209915
15°	173922
20°	131313
25°	91946
30°	62383
35°	41800
40°	28790
45°	21002
50°	16119
55°	12559
60°	9868
65°	8522
70°	6636
75°	5147
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	14.2
10°-20°	93.3	30.4
20°-30°	78.0	25.4
30°-40°	44.7	14.6
40°-50°	23.8	7.7
50°-60°	13.4	4.4
60°-70°	7.2	2.3
70°-80°	2.9	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°	214.8	70.0
0°-40°	259.5	84.6
0°-60°	296.7	96.7
0°-90°	306.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	495	
5°	476	44
15°	340	93
25°	169	78
35°	69	45
45°	30	24
55°	15	13
65°	7	7
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	494.8
1°	493.0
2°	489.3
3°	485.7
4°	481.1
5°	475.6
6°	467.4
7°	458.3
8°	446.4
9°	433.6
10°	419.0
11°	404.4
12°	388.9
13°	373.4
14°	356.9
15°	340.5
16°	323.2
17°	304.9
18°	286.6
19°	268.4
20°	250.1
21°	231.9
22°	214.5
23°	198.1
24°	183.5
25°	168.9
26°	155.2
27°	143.3
28°	131.5
29°	120.5
30°	109.5
32.5°	87.6
35°	69.4
37.5°	55.7
40°	44.7
42.5°	36.5
45°	30.1
47.5°	24.6
50°	21.0
52.5°	17.3
55°	14.6
57.5°	12.8
60°	10.0
62.5°	9.1
65°	7.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.5
70°	4.6
72.5°	3.7
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)