

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: P246988

Luminaire Tested: **203-SS-8LED3036-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246988
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-9)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3036-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 329.5 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

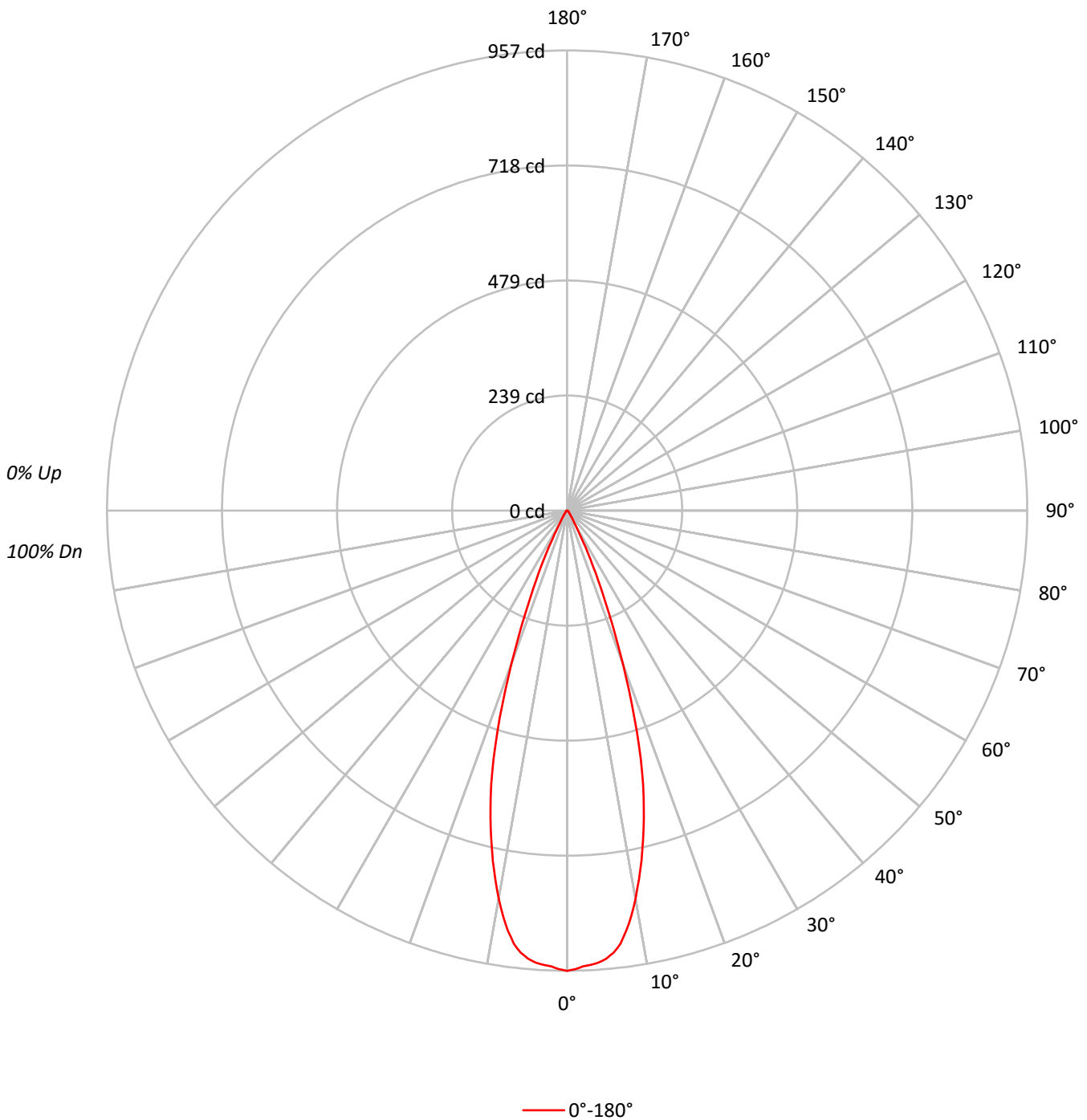
Input Watts (W): 7.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246988

CATALOG NUMBER: 203-SS-8LED3036-12-CS

Luminous Intensity Polar Plot





TEST NUMBER: P246988

CATALOG NUMBER: 203-SS-8LED3036-12-CS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92	92	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88	88	88
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85	85	85
5	100	93	89	86	98	92	88	85	91	87	84	89	86	84	88	85	83	82	82	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79	79	79
7	93	86	82	79	92	86	82	78	85	81	78	84	80	78	83	80	77	76	76	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74	74	74
9	88	81	76	73	87	80	76	73	79	75	73	78	75	73	78	75	72	71	71	71
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69	69	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	472362
5°	463221
10°	410362
15°	313775
20°	177360
25°	69518
30°	18686
35°	8011
40°	4573
45°	3070
50°	2686
55°	3011
60°	1776
65°	1051
70°	1298
75°	1716
80°	0
85°	0



TEST NUMBER: P246988

CATALOG NUMBER: 203-SS-8LED3036-12-CS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	26.0
10°-20°	162.8	49.4
20°-30°	62.9	19.1
30°-40°	9.7	2.9
40°-50°	3.7	1.1
50°-60°	2.8	0.8
60°-70°	1.2	0.4
70°-80°	0.6	0.2
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°	311.5	94.5
0°-40°	321.2	97.5
0°-60°	327.7	99.5
0°-90°	329.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	957	
5°	935	86
15°	614	163
25°	128	63
35°	13	10
45°	4	4
55°	4	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P246988

CATALOG NUMBER: 203-SS-8LED3036-12-CS

CANDELA DISTRIBUTION (FULL):

0°	
0°	957.4
1°	953.9
2°	948.5
3°	945.9
4°	942.3
5°	935.3
6°	924.6
7°	907.8
8°	882.9
9°	853.7
10°	819.1
11°	781.9
12°	743.8
13°	702.1
14°	658.7
15°	614.3
16°	565.6
17°	511.5
18°	453.0
19°	394.5
20°	337.8
21°	283.7
22°	235.8
23°	193.3
24°	158.7
25°	127.7
26°	96.6
27°	73.6
28°	55.8
29°	42.6
30°	32.8
32.5°	20.4
35°	13.3
37.5°	9.8
40°	7.1
42.5°	5.3
45°	4.4
47.5°	4.4
50°	3.5
52.5°	3.5
55°	3.5
57.5°	2.7
60°	1.8
62.5°	1.8
65°	0.9



TEST NUMBER: P246988

CATALOG NUMBER: 203-SS-8LED3036-12-CS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)