

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: P246983

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246983
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)
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-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED 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: 327.2 lumens
Efficiency: N/A
Efficacy: 42.0 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

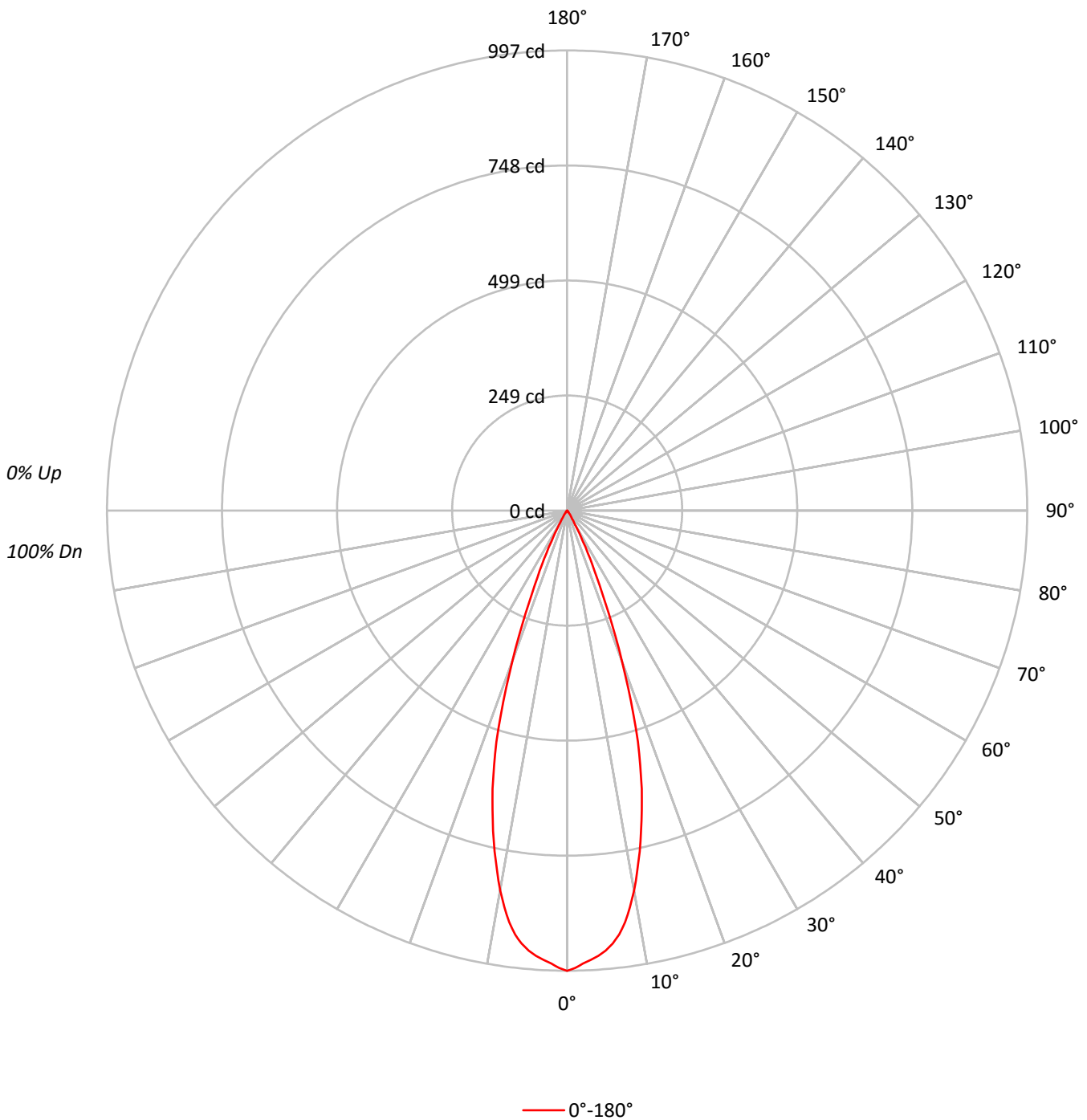
Input Watts (W): 7.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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							
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	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	111	109	112	111	109	107	107	105	104	104	103	102	101	101	100	99	98	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	98	100	98	96	96	97	95	94	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	94	96	94	92	92	94	92	91	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	89	93	91	88	88	92	89	87	87	86	86	86	86
5	100	94	90	87	99	93	89	86	92	88	86	86	90	87	85	85	89	86	84	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	83	87	84	82	82	86	84	81	81	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	80	85	82	79	79	84	81	79	79	78	78	78	78
8	91	85	80	77	90	84	80	77	83	79	77	77	82	79	77	77	81	78	76	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	74	80	76	74	74	79	76	74	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	74	72	72	78	74	72	72	77	74	72	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	492047
5°	474166
10°	418828
15°	318780
20°	182453
25°	69953
30°	16692
35°	5903
40°	2254
45°	1256
50°	691
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	26.8
10°-20°	166.1	50.8
20°-30°	63.9	19.5
30°-40°	7.2	2.2
40°-50°	1.4	0.4
50°-60°	0.8	0.2
60°-70°	0.1	0.0
70°-80°	0.0	0.0
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°	317.7	97.1
0°-40°	324.9	99.3
0°-60°	327.1	100.0
0°-90°	327.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	997	
5°	957	88
15°	624	166
25°	128	64
35°	10	7
45°	2	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	997.3
1°	991.1
2°	982.2
3°	975.1
4°	967.2
5°	957.4
6°	943.2
7°	925.5
8°	900.7
9°	869.7
10°	836.0
11°	796.1
12°	755.3
13°	712.7
14°	668.4
15°	624.1
16°	575.3
17°	523.9
18°	466.3
19°	406.0
20°	347.5
21°	292.5
22°	241.1
23°	195.0
24°	158.7
25°	128.5
26°	102.8
27°	74.5
28°	55.8
29°	40.8
30°	29.3
32.5°	16.0
35°	9.8
37.5°	5.3
40°	3.5
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)