

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: P246991

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246991
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)
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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

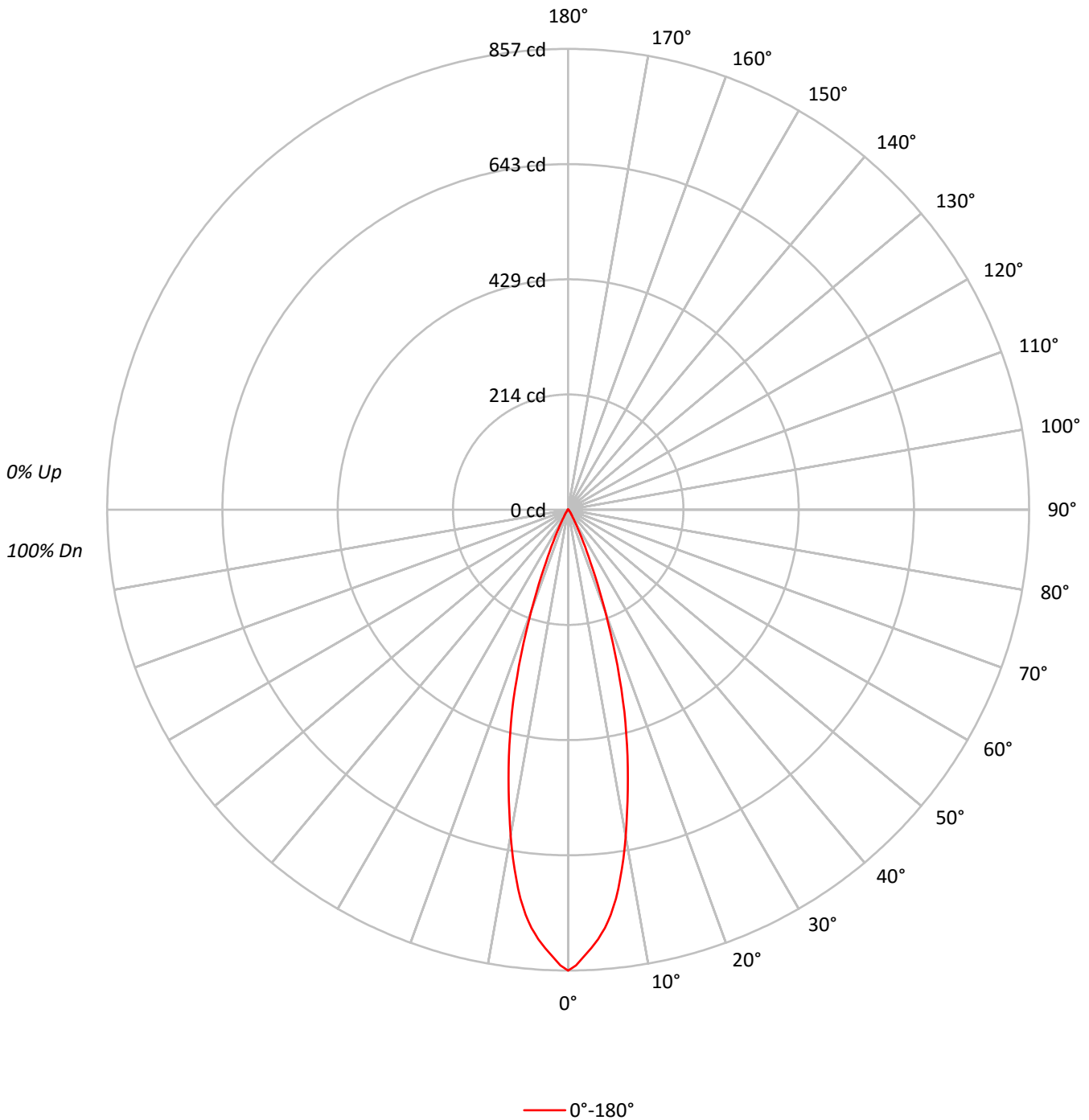
Lumens per Lamp: N/A
Luminaire Lumens: 223.3 lumens
Efficiency: N/A
Efficacy: 29.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422925
5°	386801
10°	308660
15°	210085
20°	105166
25°	36202
30°	11109
35°	5361
40°	2834
45°	1884
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°	69.3	31.1
10°-20°	109.5	49.1
20°-30°	35.0	15.7
30°-40°	6.0	2.7
40°-50°	2.0	0.9
50°-60°	0.8	0.4
60°-70°	0.6	0.2
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°	213.8	95.8
0°-40°	219.9	98.5
0°-60°	222.7	99.8
0°-90°	223.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	223.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	857	
5°	781	69
15°	411	110
25°	66	35
35°	9	6
45°	3	2
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	857.2
1°	847.5
2°	831.5
3°	816.5
4°	800.5
5°	781.0
6°	757.1
7°	728.7
8°	694.1
9°	656.9
10°	616.1
11°	573.6
12°	532.8
13°	492.0
14°	451.2
15°	411.3
16°	369.7
17°	325.3
18°	282.8
19°	240.2
20°	200.3
21°	164.9
22°	133.0
23°	106.4
24°	84.2
25°	66.5
26°	50.5
27°	39.9
28°	31.0
29°	23.9
30°	19.5
32.5°	12.4
35°	8.9
37.5°	6.2
40°	4.4
42.5°	3.5
45°	2.7
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
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)