

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: P246987

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246987
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-35)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

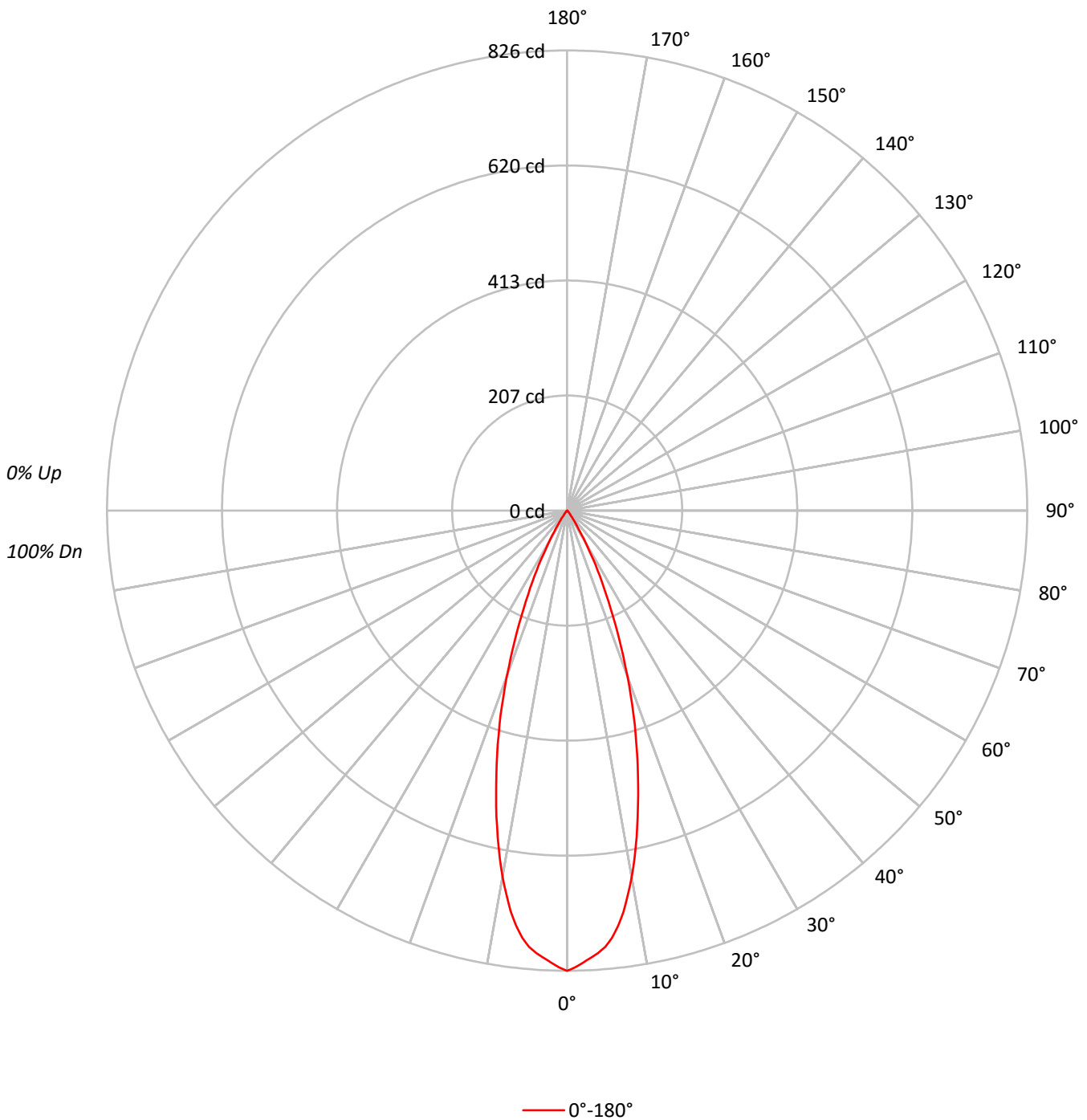
Lumens per Lamp: N/A
Luminaire Lumens: 299.5 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.56
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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							
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	112	110	109	112	110	108	107	106	105	104	104	103	101	100	100	99	98	98	98	96	96	96	96
2	110	107	103	101	108	105	102	99	102	99	97	97	99	97	95	95	96	95	93	93	92	92	92	92
3	106	101	97	94	105	100	96	94	98	95	92	92	95	93	91	91	93	91	89	89	88	88	88	88
4	103	97	92	89	101	96	92	89	94	90	88	88	92	89	87	87	90	88	86	86	84	84	84	84
5	99	93	88	85	98	92	88	84	90	86	84	84	89	85	83	83	87	84	82	82	81	81	81	81
6	96	89	84	81	94	88	84	81	87	83	80	80	85	82	80	80	84	81	79	79	78	78	78	78
7	92	85	81	77	91	85	80	77	84	80	77	77	82	79	76	76	81	78	76	76	75	75	75	75
8	89	82	77	74	88	82	77	74	81	77	74	74	80	76	74	74	79	76	73	73	72	72	72	72
9	86	79	74	71	86	79	74	71	78	74	71	71	77	73	71	71	76	73	71	71	70	70	70	70
10	84	76	72	69	83	76	72	69	75	71	69	69	74	71	68	68	74	71	68	68	67	67	67	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	407630
5°	389426
10°	334411
15°	250846
20°	165704
25°	90259
30°	36347
35°	10661
40°	3993
45°	1884
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	23.8
10°-20°	134.1	44.8
20°-30°	77.0	25.7
30°-40°	14.2	4.7
40°-50°	2.2	0.7
50°-60°	0.7	0.2
60°-70°	0.0	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°	282.4	94.3
0°-40°	296.6	99.0
0°-60°	299.5	100.0
0°-90°	299.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	826	
5°	786	71
15°	491	134
25°	166	77
35°	18	14
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	826.2
1°	820.0
2°	812.0
3°	804.1
4°	796.1
5°	786.3
6°	771.3
7°	750.9
8°	726.9
9°	697.7
10°	667.5
11°	634.7
12°	599.3
13°	563.8
14°	526.6
15°	491.1
16°	455.7
17°	421.1
18°	386.5
19°	351.1
20°	315.6
21°	281.9
22°	250.9
23°	219.9
24°	191.5
25°	165.8
26°	142.7
27°	120.6
28°	99.3
29°	79.8
30°	63.8
32.5°	31.9
35°	17.7
37.5°	9.8
40°	6.2
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°	0.0
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)