

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: P246992

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246992
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

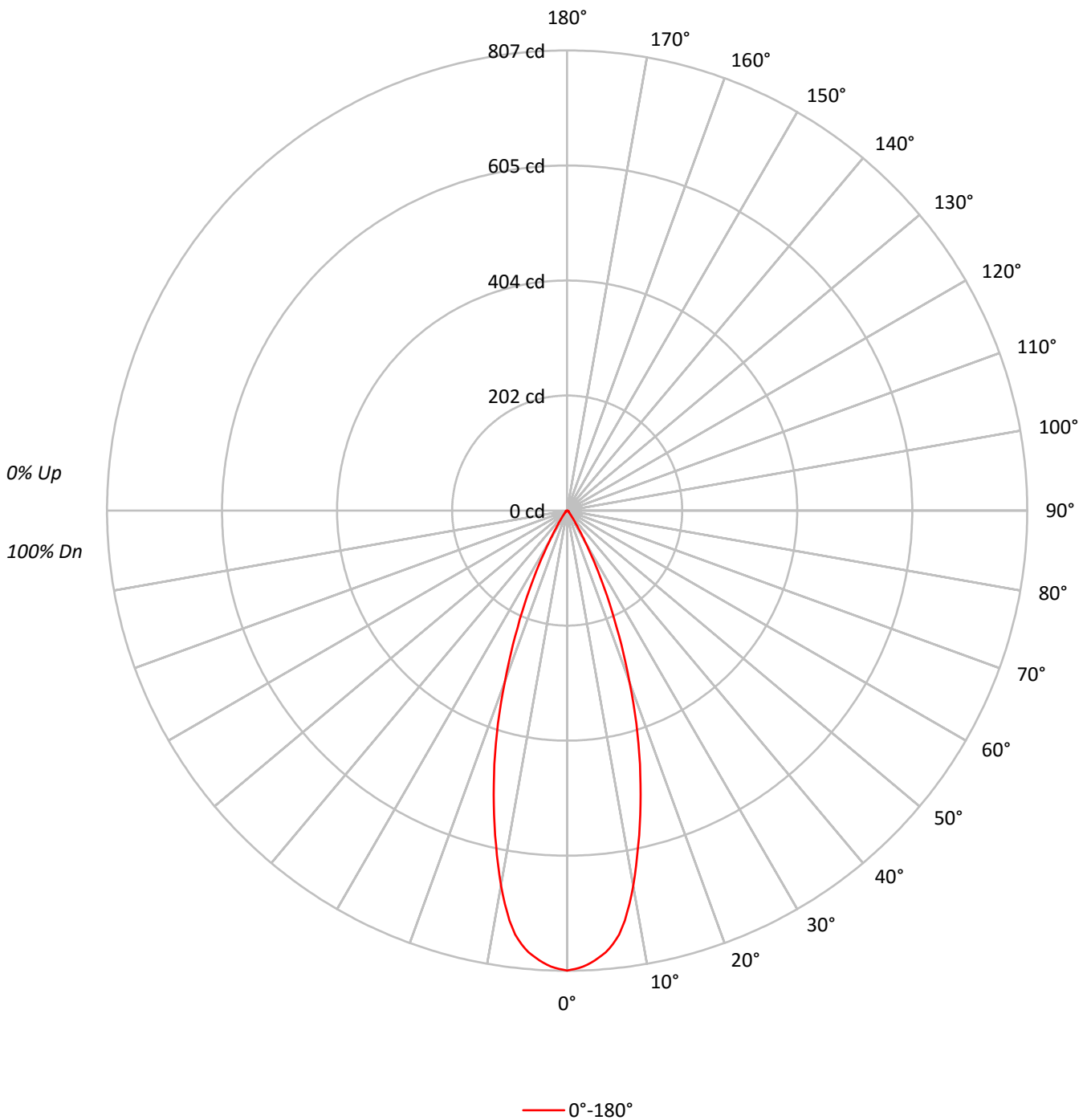
Lumens per Lamp: N/A
Luminaire Lumens: 309.1 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86		91	88	85		89	87	84	83
5	98	92	87	83	97	91	86	83	89	85	82		87	84	82		86	83	81	80
6	95	88	83	79	93	87	82	79	85	82	79		84	81	78		83	80	78	76
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	69	67		72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398009
5°	385068
10°	334411
15°	254013
20°	168014
25°	90749
30°	35834
35°	12829
40°	6312
45°	3698
50°	2686
55°	2322
60°	1776
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	22.9
10°-20°	135.4	43.8
20°-30°	77.5	25.1
30°-40°	16.0	5.2
40°-50°	4.5	1.4
50°-60°	2.6	0.8
60°-70°	1.4	0.5
70°-80°	0.8	0.3
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°	283.8	91.8
0°-40°	299.7	97.0
0°-60°	306.8	99.3
0°-90°	309.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	807	
5°	778	71
15°	497	135
25°	167	78
35°	21	16
45°	5	4
55°	3	3
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	806.7
1°	804.1
2°	800.5
3°	794.3
4°	786.3
5°	777.5
6°	765.0
7°	749.1
8°	726.0
9°	698.6
10°	667.5
11°	633.8
12°	600.2
13°	566.5
14°	531.9
15°	497.3
16°	462.8
17°	427.3
18°	392.7
19°	356.4
20°	320.0
21°	286.3
22°	254.4
23°	222.5
24°	193.3
25°	166.7
26°	142.7
27°	119.7
28°	98.4
29°	78.9
30°	62.9
32.5°	34.6
35°	21.3
37.5°	13.3
40°	9.8
42.5°	7.1
45°	5.3
47.5°	4.4
50°	3.5
52.5°	3.5
55°	2.7
57.5°	2.7
60°	1.8
62.5°	1.8
65°	1.8



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)