

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: P247035

Luminaire Tested: **203-SS-8LED2736-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247035
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-8LED2736-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

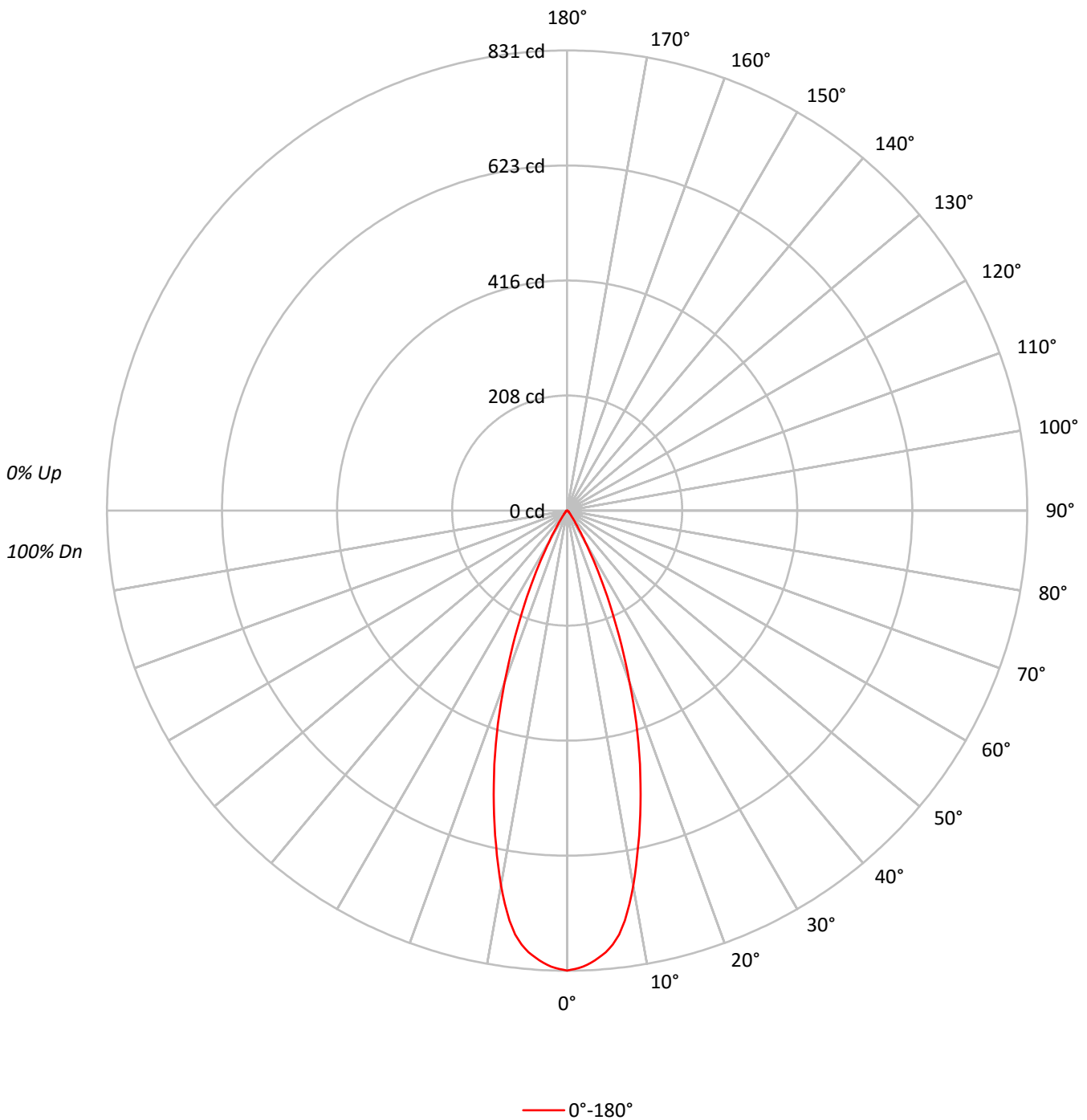
Lumens per Lamp: N/A
Luminaire Lumens: 318.2 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	85	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°	409850
5°	396509
10°	344381
15°	261573
20°	173054
25°	93416
30°	36917
35°	13190
40°	6441
45°	3838
50°	2840
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°	73.0	22.9
10°-20°	139.4	43.8
20°-30°	79.8	25.1
30°-40°	16.4	5.2
40°-50°	4.6	1.5
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°	292.2	91.8
0°-40°	308.6	97.0
0°-60°	315.9	99.3
0°-90°	318.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	318.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	831	
5°	801	73
15°	512	139
25°	172	80
35°	22	16
45°	6	5
55°	3	3
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	830.7
1°	828.0
2°	824.3
3°	817.9
4°	809.7
5°	800.6
6°	787.8
7°	771.4
8°	747.7
9°	719.4
10°	687.4
11°	652.7
12°	618.0
13°	583.3
14°	547.7
15°	512.1
16°	476.5
17°	440.0
18°	404.4
19°	367.0
20°	329.6
21°	294.9
22°	262.0
23°	229.1
24°	199.0
25°	171.6
26°	147.0
27°	123.2
28°	101.3
29°	81.2
30°	64.8
32.5°	35.6
35°	21.9
37.5°	13.7
40°	10.0
42.5°	7.3
45°	5.5
47.5°	4.6
50°	3.7
52.5°	3.7
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)