

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: P247032

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247032
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-44)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

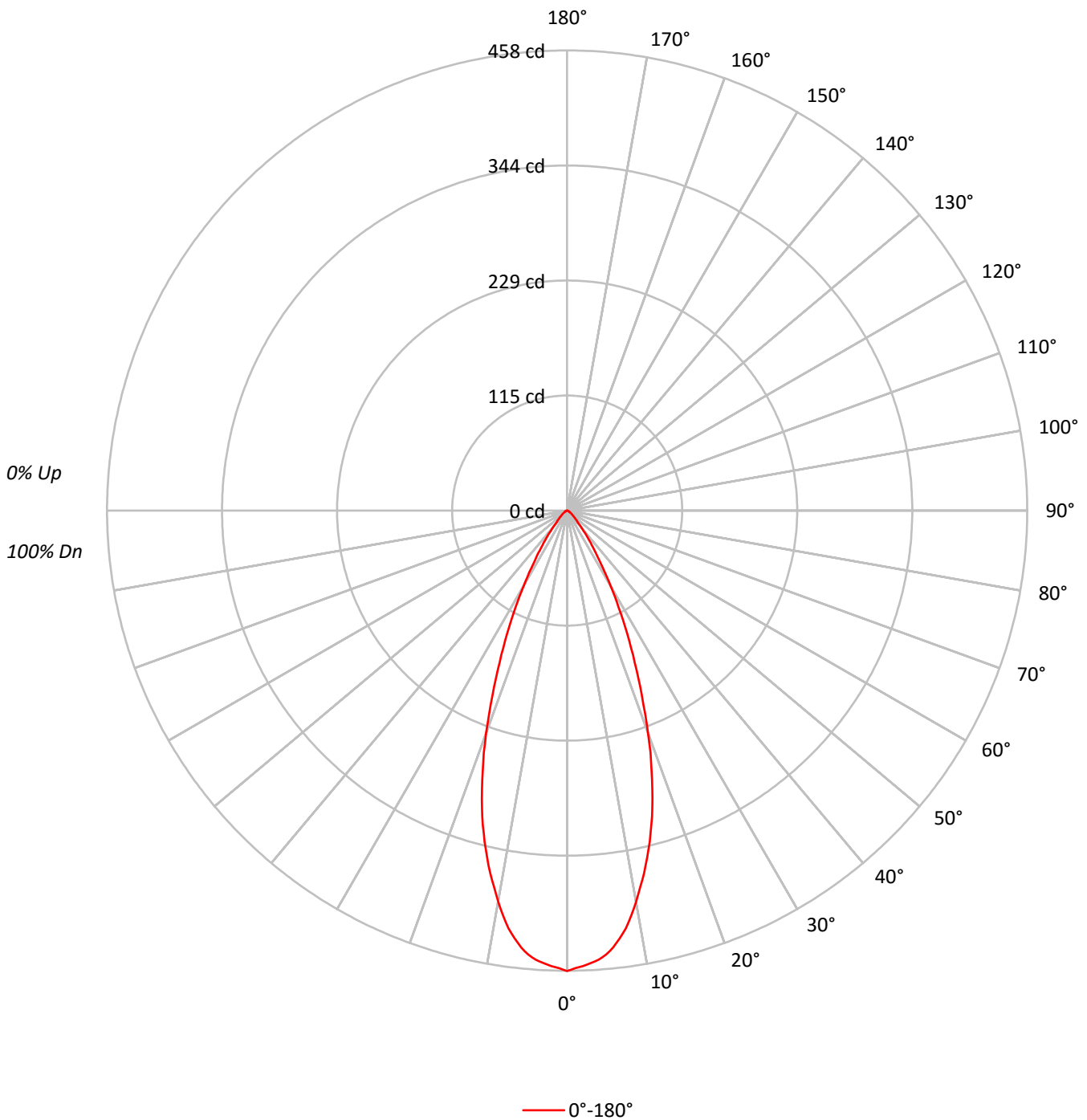
Lumens per Lamp: N/A
Luminaire Lumens: 245.2 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		81	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73		79	75	72		78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69		76	71	68		74	71	68	67
8	83	75	69	66	82	74	69	66	73	69	65		72	68	65		71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	60
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	226116
5°	219749
10°	198042
15°	165545
20°	123648
25°	81984
30°	49393
35°	26923
40°	14105
45°	8303
50°	5603
55°	3957
60°	2664
65°	2101
70°	2597
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	16.6
10°-20°	88.5	36.1
20°-30°	69.1	28.2
30°-40°	29.6	12.1
40°-50°	9.7	4.0
50°-60°	4.2	1.7
60°-70°	2.1	0.9
70°-80°	1.1	0.4
80°-90°	0.1	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°	198.4	80.9
0°-40°	228.0	93.0
0°-60°	241.9	98.7
0°-90°	245.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	458	
5°	444	41
15°	324	89
25°	151	69
35°	45	30
45°	12	10
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	458.3
1°	455.5
2°	453.7
3°	451.0
4°	448.2
5°	443.7
6°	437.3
7°	429.1
8°	419.9
9°	408.1
10°	395.3
11°	381.6
12°	368.8
13°	354.2
14°	339.6
15°	324.1
16°	307.6
17°	290.3
18°	272.0
19°	254.7
20°	235.5
21°	216.4
22°	198.1
23°	181.7
24°	165.2
25°	150.6
26°	136.0
27°	122.3
28°	109.5
29°	97.7
30°	86.7
32.5°	62.1
35°	44.7
37.5°	32.0
40°	21.9
42.5°	15.5
45°	11.9
47.5°	9.1
50°	7.3
52.5°	5.5
55°	4.6
57.5°	3.7
60°	2.7
62.5°	2.7
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.8
70°	1.8
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)