

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: P277747

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277747
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

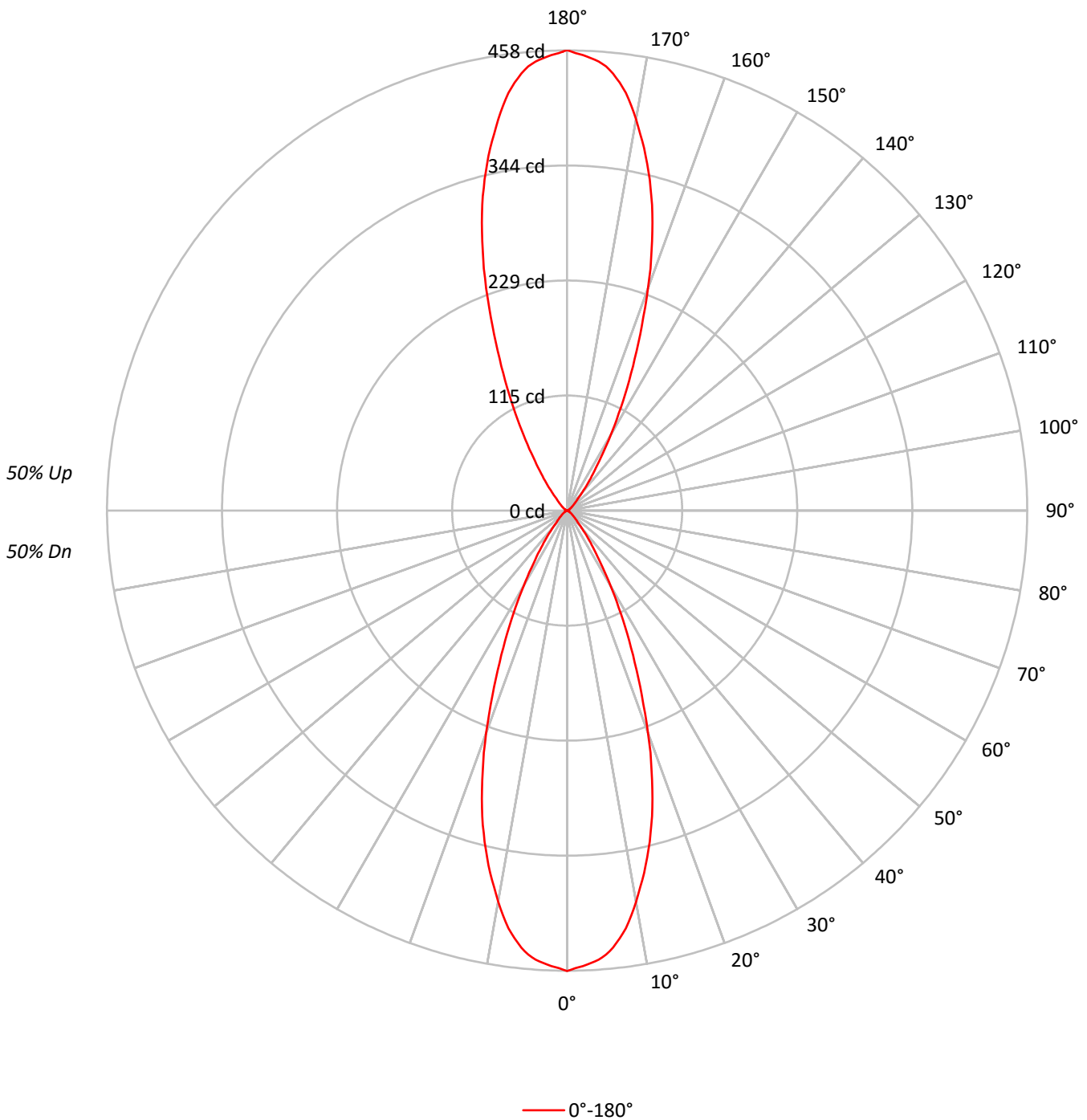
Lumens per Lamp: N/A
Luminaire Lumens: 490.4 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.3
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	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	97	94	91	93	90	87	85	77	75	73		65	64	63		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	59	57		51	50	49	44
3	88	81	75	70	81	75	71	67	66	62	59		57	54	52		48	47	45	42
4	82	74	68	63	77	69	64	60	61	57	54		53	50	48		46	44	43	39
5	77	68	62	57	72	64	59	55	57	53	50		50	47	45		43	42	40	37
6	73	63	57	52	68	60	54	50	53	49	46		47	44	42		41	39	38	35
7	69	59	53	48	64	56	50	46	50	46	43		45	41	39		39	37	36	33
8	65	55	49	44	61	52	47	43	47	43	40		42	39	37		38	35	34	32
9	62	52	46	41	58	49	44	40	45	40	37		40	37	35		36	34	32	30
10	58	49	43	39	55	46	41	38	42	38	35		38	35	33		34	32	31	29

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	8.3
10°-20°	88.5	18.0
20°-30°	69.1	14.1
30°-40°	29.6	6.0
40°-50°	9.7	2.0
50°-60°	4.2	0.9
60°-70°	2.1	0.4
70°-80°	1.1	0.2
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	1.1	0.2
110°-120°	2.1	0.4
120°-130°	4.2	0.9
130°-140°	9.7	2.0
140°-150°	29.6	6.0
150°-160°	69.1	14.1
160°-170°	88.5	18.0
170°-180°	40.8	8.3
0°-30°	198.4	40.5
0°-40°	228.0	46.5
0°-60°	241.9	49.3
0°-90°	245.2	50.0
90°-120°	3.3	0.7
90°-150°	46.8	9.5
90°-180°	245.0	50.0
0°-180°	490.4	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	0
95°	0	0
105°	1	1
115°	2	2
125°	5	4
135°	12	10
145°	45	30
155°	151	69
165°	324	89
175°	444	41
180°	458	



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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
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	1.8
112.5°	1.8
115°	1.8
117.5°	2.7
120°	2.7
122.5°	3.7
125°	4.6
127.5°	5.5
130°	7.3
132.5°	9.1
135°	11.9
137.5°	15.5
140°	21.9
142.5°	32.0
145°	44.7
147.5°	62.1
150°	86.7
151°	97.7
152°	109.5
153°	122.3
154°	136.0
155°	150.6
156°	165.2
157°	181.7
158°	198.1
159°	216.4
160°	235.5
161°	254.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	272.0
163°	290.3
164°	307.6
165°	324.1
166°	339.6
167°	354.2
168°	368.8
169°	381.6
170°	395.3
171°	408.1
172°	419.9
173°	429.1
174°	437.3
175°	443.7
176°	448.2
177°	451.0
178°	453.7
179°	455.5
180°	458.3

(END OF REPORT)