

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: P277756

Luminaire Tested: **203-SS-8LED3010-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277756
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-7)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3010-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 526.5 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

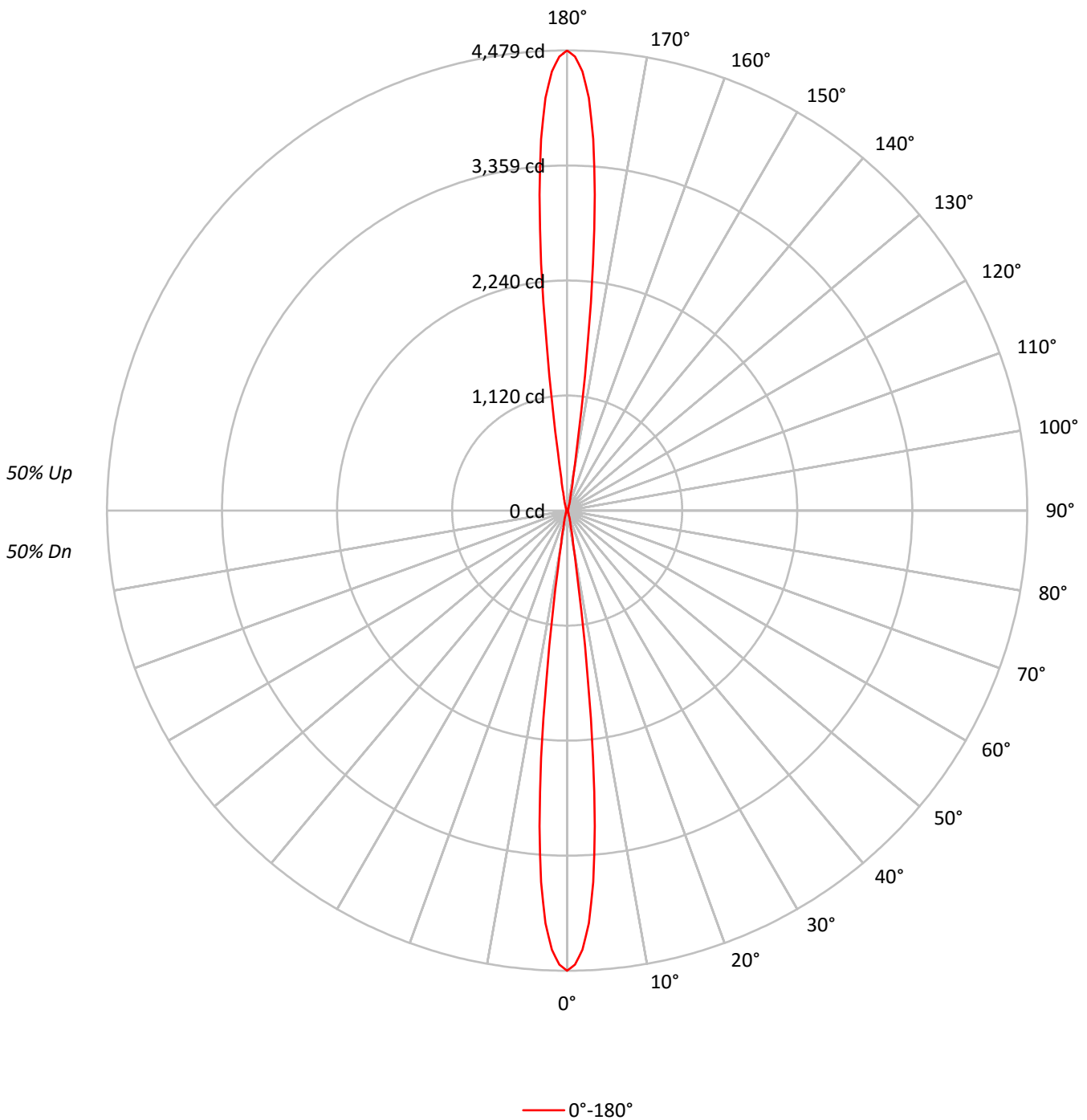
Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	98	95	93	94	91	89	87	78	77	75	66	65	64	55	54	54	49				
2	96	91	86	83	89	85	81	78	73	71	69	63	62	60	53	53	52	48				
3	91	84	79	75	84	79	75	72	69	67	64	60	59	57	52	51	50	47				
4	86	79	74	69	80	74	70	66	66	63	60	58	56	54	51	50	49	46				
5	82	74	69	65	77	70	66	62	63	60	57	56	54	52	50	48	47	45				
6	79	70	65	61	74	67	62	59	61	57	55	54	52	50	49	47	46	44				
7	75	67	62	58	71	64	59	56	58	55	53	53	51	49	48	47	45	43				
8	73	64	59	55	69	62	57	54	56	53	51	52	49	48	47	46	45	43				
9	70	62	57	53	66	59	55	52	55	52	49	50	48	47	46	45	44	42				
10	68	60	55	51	64	57	53	50	53	50	48	49	47	46	46	44	43	42				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2209650
5°	1527890
10°	174996
15°	55267
20°	24677
25°	15950
30°	12647
35°	11203
40°	9725
45°	8652
50°	6831
55°	5333
60°	2664
65°	1051
70°	1298
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.1	35.2
10°-20°	35.5	6.7
20°-30°	14.2	2.7
30°-40°	11.8	2.2
40°-50°	9.6	1.8
50°-60°	5.4	1.0
60°-70°	1.3	0.3
70°-80°	0.4	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.1
110°-120°	1.3	0.3
120°-130°	5.4	1.0
130°-140°	9.6	1.8
140°-150°	11.8	2.2
150°-160°	14.2	2.7
160°-170°	35.5	6.7
170°-180°	185.1	35.2
0°-30°	234.8	44.6
0°-40°	246.5	46.8
0°-60°	261.6	49.7
0°-90°	263.3	50.0
90°-120°	1.9	0.4
90°-150°	28.7	5.5
90°-180°	263.0	50.0
0°-180°	526.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4479	
5°	3085	185
15°	108	36
25°	29	14
35°	19	12
45°	12	10
55°	6	5
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	1
125°	6	5
135°	12	10
145°	19	12
155°	29	14
165°	108	36
175°	3085	185
180°	4479	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4478.6
1°	4419.2
2°	4276.4
3°	4021.1
4°	3625.8
5°	3085.0
6°	2416.6
7°	1656.9
8°	990.2
9°	566.5
10°	349.3
12.5°	172.0
15°	108.2
17.5°	75.4
20°	47.0
22.5°	35.5
25°	29.3
27.5°	25.7
30°	22.2
32.5°	20.4
35°	18.6
37.5°	17.7
40°	15.1
42.5°	14.2
45°	12.4
47.5°	11.5
50°	8.9
52.5°	8.0
55°	6.2
57.5°	4.4
60°	2.7
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.9
110°	0.9
112.5°	0.9
115°	0.9
117.5°	1.8
120°	2.7
122.5°	4.4
125°	6.2
127.5°	8.0
130°	8.9
132.5°	11.5
135°	12.4
137.5°	14.2
140°	15.1
142.5°	17.7
145°	18.6
147.5°	20.4
150°	22.2
152.5°	25.7
155°	29.3
157.5°	35.5
160°	47.0
162.5°	75.4
165°	108.2
167.5°	172.0
170°	349.3
171°	566.5
172°	990.2
173°	1656.9
174°	2416.6
175°	3085.0
176°	3625.8
177°	4021.1
178°	4276.4
179°	4419.2
180°	4478.6

(END OF REPORT)