

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: P277759

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277759
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-38)
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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 3000K 95 CRI 10° NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

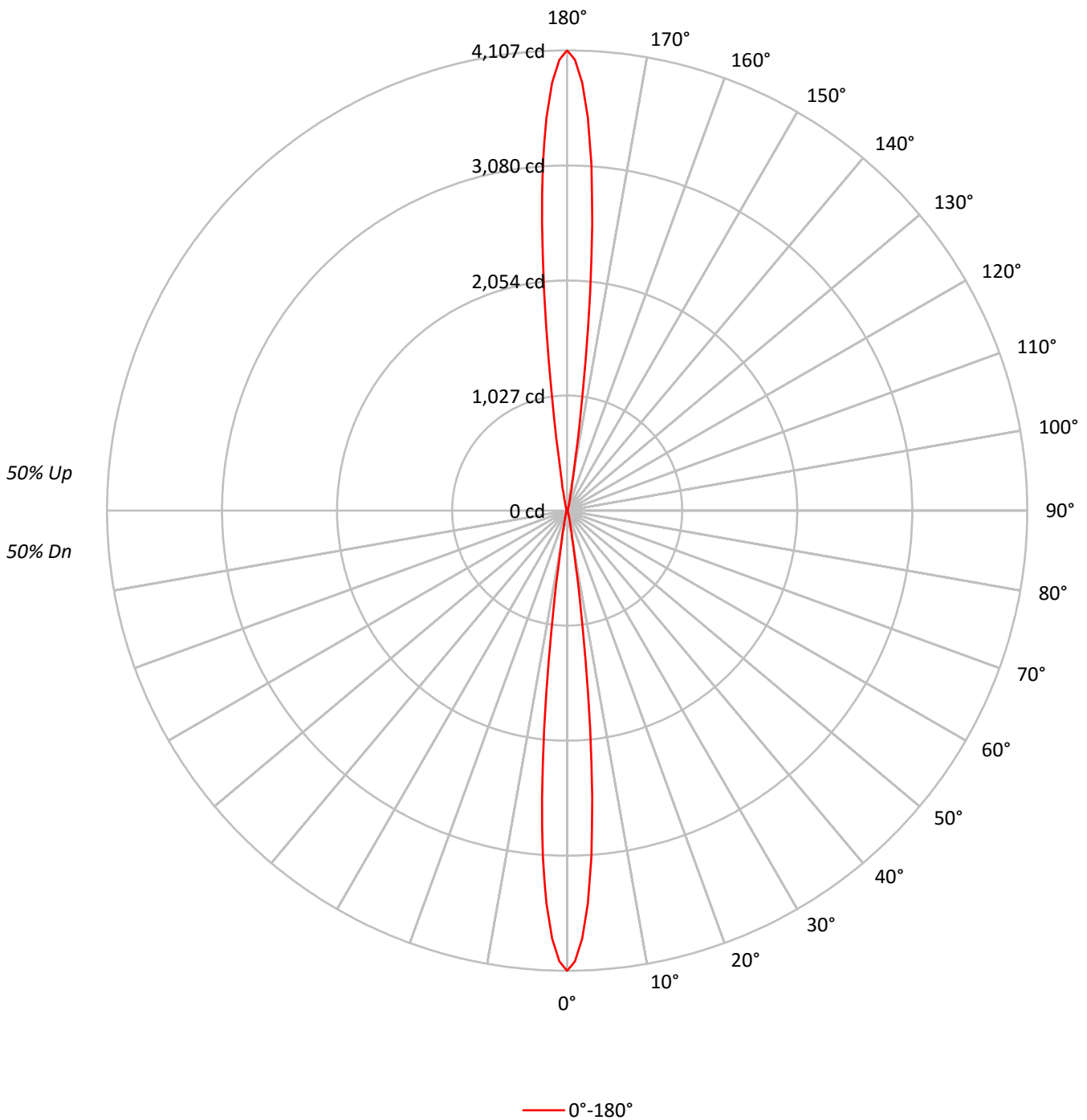
Lumens per Lamp: N/A
Luminaire Lumens: 399.1 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	99	96	94	94	92	89	88	78	77	76		66	65	65		55	55	54	49
2	96	91	87	84	89	85	82	79	74	72	70		64	62	61		54	54	53	49
3	91	85	81	77	85	80	76	73	71	68	66		62	60	59		53	52	52	48
4	87	80	75	71	82	76	72	68	67	65	62		60	58	56		52	51	51	48
5	83	76	71	67	78	72	68	64	65	62	59		58	56	55		52	51	50	47
6	80	72	67	64	76	69	65	61	63	59	57		57	55	53		51	50	49	47
7	77	69	64	61	73	66	62	59	61	58	55		55	53	52		50	49	48	46
8	75	67	62	58	71	64	60	57	59	56	54		54	52	51		50	48	48	46
9	72	64	60	56	69	62	58	55	57	54	52		53	51	50		49	48	47	45
10	70	62	58	55	67	60	56	54	56	53	51		52	50	49		49	47	47	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2026359
5°	1273671
10°	146540
15°	40301
20°	16276
25°	9146
30°	6039
35°	4276
40°	2834
45°	1884
50°	1382
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	39.2
10°-20°	26.9	6.7
20°-30°	8.2	2.1
30°-40°	4.4	1.1
40°-50°	2.0	0.5
50°-60°	1.1	0.3
60°-70°	0.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.6	0.1
120°-130°	1.1	0.3
130°-140°	2.0	0.5
140°-150°	4.4	1.1
150°-160°	8.2	2.1
160°-170°	26.9	6.7
170°-180°	156.6	39.2
0°-30°	191.7	48.0
0°-40°	196.2	49.1
0°-60°	199.2	49.9
0°-90°	199.6	50.0
90°-120°	0.6	0.1
90°-150°	8.1	2.0
90°-180°	200.0	50.1
0°-180°	399.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4107	
5°	2572	157
15°	79	27
25°	17	8
35°	7	4
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	1	1
135°	3	2
145°	7	4
155°	17	8
165°	79	27
175°	2572	157
180°	4107	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4107.1
1°	4022.9
2°	3821.7
3°	3513.2
4°	3096.5
5°	2571.7
6°	1954.7
7°	1343.0
8°	827.1
9°	481.4
10°	292.5
12.5°	132.1
15°	78.9
17.5°	52.3
20°	31.0
22.5°	22.2
25°	16.8
27.5°	13.3
30°	10.6
32.5°	8.9
35°	7.1
37.5°	5.3
40°	4.4
42.5°	2.7
45°	2.7
47.5°	1.8
50°	1.8
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.9
120°	0.9
122.5°	0.9
125°	0.9
127.5°	1.8
130°	1.8
132.5°	1.8
135°	2.7
137.5°	2.7
140°	4.4
142.5°	5.3
145°	7.1
147.5°	8.9
150°	10.6
152.5°	13.3
155°	16.8
157.5°	22.2
160°	31.0
162.5°	52.3
165°	78.9
167.5°	132.1
170°	292.5
171°	481.4
172°	827.1
173°	1343.0
174°	1954.7
175°	2571.7
176°	3096.5
177°	3513.2
178°	3821.7
179°	4022.9
180°	4107.1

(END OF REPORT)