

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: P277760

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277760
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-39)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI 10° NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

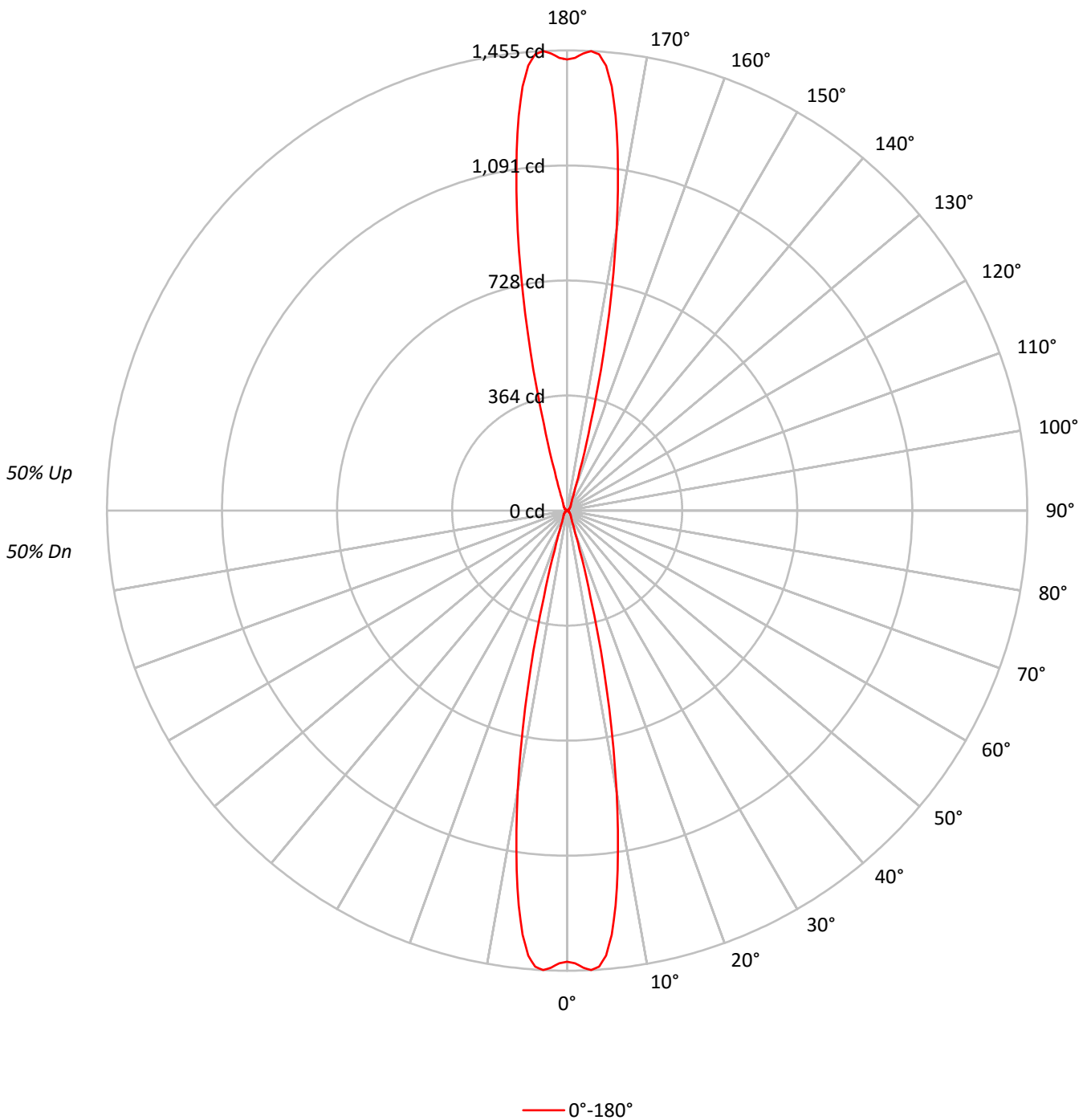
Lumens per Lamp: N/A
Luminaire Lumens: 516.2 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	92	93	91	88	86	78	76	75	65	65	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	61	59	52	52	51	47				
3	90	83	78	74	83	78	73	70	68	65	63	59	57	55	51	50	49	45				
4	85	77	72	67	79	73	68	64	64	61	58	56	54	52	49	48	47	43				
5	80	72	66	62	75	68	63	60	61	57	55	54	52	50	48	46	45	42				
6	77	68	62	58	72	65	60	56	58	54	52	52	49	48	46	45	43	41				
7	73	64	59	55	69	61	56	53	56	52	49	50	48	46	45	43	42	40				
8	70	61	56	52	66	58	54	50	53	50	47	48	46	44	44	42	41	39				
9	67	58	53	49	64	56	51	48	51	48	45	47	44	43	43	41	40	38				
10	65	56	51	47	61	54	49	46	50	46	44	46	43	41	42	40	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	703757
5°	699412
10°	450341
15°	144909
20°	38643
25°	19761
30°	14129
35°	12287
40°	10305
45°	8652
50°	7522
55°	5333
60°	3454
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	22.7
10°-20°	92.1	17.8
20°-30°	18.4	3.6
30°-40°	12.6	2.4
40°-50°	9.8	1.9
50°-60°	5.6	1.1
60°-70°	1.6	0.3
70°-80°	0.6	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.1
110°-120°	1.6	0.3
120°-130°	5.6	1.1
130°-140°	9.8	1.9
140°-150°	12.6	2.4
150°-160°	18.4	3.6
160°-170°	92.1	17.8
170°-180°	117.3	22.7
0°-30°	227.9	44.1
0°-40°	240.5	46.6
0°-60°	255.9	49.6
0°-90°	258.1	50.0
90°-120°	2.2	0.4
90°-150°	30.2	5.9
90°-180°	258.0	50.0
0°-180°	516.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1426	
5°	1412	117
15°	284	92
25°	36	18
35°	20	13
45°	12	10
55°	6	6
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	6	6
135°	12	10
145°	20	13
155°	36	18
165°	284	92
175°	1412	117
180°	1426	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1426.4
1°	1431.7
2°	1445.9
3°	1454.7
4°	1445.9
5°	1412.2
6°	1348.4
7°	1257.9
8°	1148.0
9°	1023.9
10°	898.9
12.5°	571.8
15°	283.7
17.5°	131.2
20°	73.6
22.5°	49.6
25°	36.3
27.5°	29.3
30°	24.8
32.5°	22.2
35°	20.4
37.5°	17.7
40°	16.0
42.5°	14.2
45°	12.4
47.5°	11.5
50°	9.8
52.5°	8.0
55°	6.2
57.5°	4.4
60°	3.5
62.5°	1.8
65°	1.8
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
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°	0.9
107.5°	0.9
110°	0.9
112.5°	0.9
115°	1.8
117.5°	1.8
120°	3.5
122.5°	4.4
125°	6.2
127.5°	8.0
130°	9.8
132.5°	11.5
135°	12.4
137.5°	14.2
140°	16.0
142.5°	17.7
145°	20.4
147.5°	22.2
150°	24.8
152.5°	29.3
155°	36.3
157.5°	49.6
160°	73.6
162.5°	131.2
165°	283.7
167.5°	571.8
170°	898.9
171°	1023.9
172°	1148.0
173°	1257.9
174°	1348.4
175°	1412.2
176°	1445.9
177°	1454.7
178°	1445.9
179°	1431.7
180°	1426.4

(END OF REPORT)