

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: P277789

Luminaire Tested: **203-SS-8LED4010-12-CS-LVR**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: P277789
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-38)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED4010-12-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 95 CRI 10° NSP LED
SM16-07-10D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

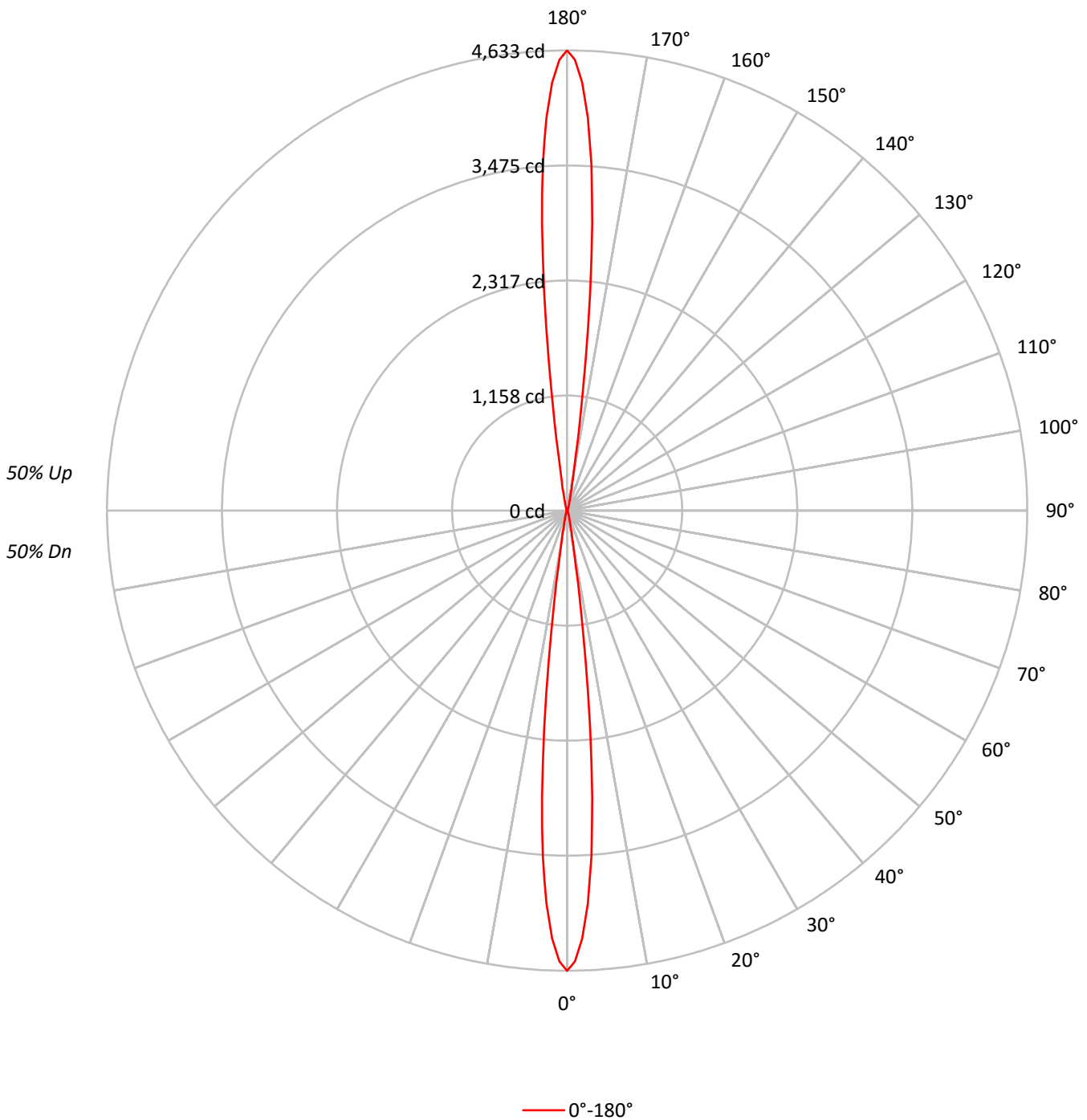
Lumens per Lamp: N/A
Luminaire Lumens: 450.2 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 14.9
Input Voltage (V): 12.0
Input Current (A_{in}): 0.656
Voltage Rise (V): NR
Power Factor: 0.9482
Total Harmonic Distortion (THDi): 25.7
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 9 HR
Ambient Temperature (°C): 24.9
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	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°	2285827
5°	1436761
10°	165327
15°	45460
20°	18377
25°	10343
30°	6836
35°	4818
40°	3220
45°	2093
50°	1535
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	39.2
10°-20°	30.4	6.7
20°-30°	9.3	2.1
30°-40°	5.0	1.1
40°-50°	2.2	0.5
50°-60°	1.2	0.3
60°-70°	0.4	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°	1.2	0.3
130°-140°	2.2	0.5
140°-150°	5.0	1.1
150°-160°	9.3	2.1
160°-170°	30.4	6.7
170°-180°	176.6	39.2
0°-30°	216.3	48.0
0°-40°	221.3	49.2
0°-60°	224.7	49.9
0°-90°	225.1	50.0
90°-120°	0.6	0.1
90°-150°	9.1	2.0
90°-180°	225.0	50.0
0°-180°	450.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4633	
5°	2901	177
15°	89	30
25°	19	9
35°	8	5
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°	8	5
155°	19	9
165°	89	30
175°	2901	177
180°	4633	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4633
1°	4538
2°	4311
3°	3963
4°	3493
5°	2901
6°	2205
7°	1515
8°	933
9°	543
10°	330
12.5°	149
15°	89
17.5°	59
20°	35
22.5°	25
25°	19
27.5°	15
30°	12
32.5°	10
35°	8
37.5°	6
40°	5
42.5°	3
45°	3
47.5°	2
50°	2
52.5°	2
55°	1
57.5°	1
60°	1
62.5°	1
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0

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CANDELA DISTRIBUTION (continued):

	0°
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	0
117.5°	1
120°	1
122.5°	1
125°	1
127.5°	2
130°	2
132.5°	2
135°	3
137.5°	3
140°	5
142.5°	6
145°	8
147.5°	10
150°	12
152.5°	15
155°	19
157.5°	25
160°	35
162.5°	59
165°	89
167.5°	149
170°	330
171°	543
172°	933
173°	1515
174°	2205
175°	2901
176°	3493
177°	3963
178°	4311
179°	4538
180°	4633

(END OF REPORT)