

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: P277726

Luminaire Tested: **203-SS-8LED2710-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277726
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (Pxxxxxx)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2710-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 542.1 lumens
Efficiency: N/A
Efficacy: 36.4 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

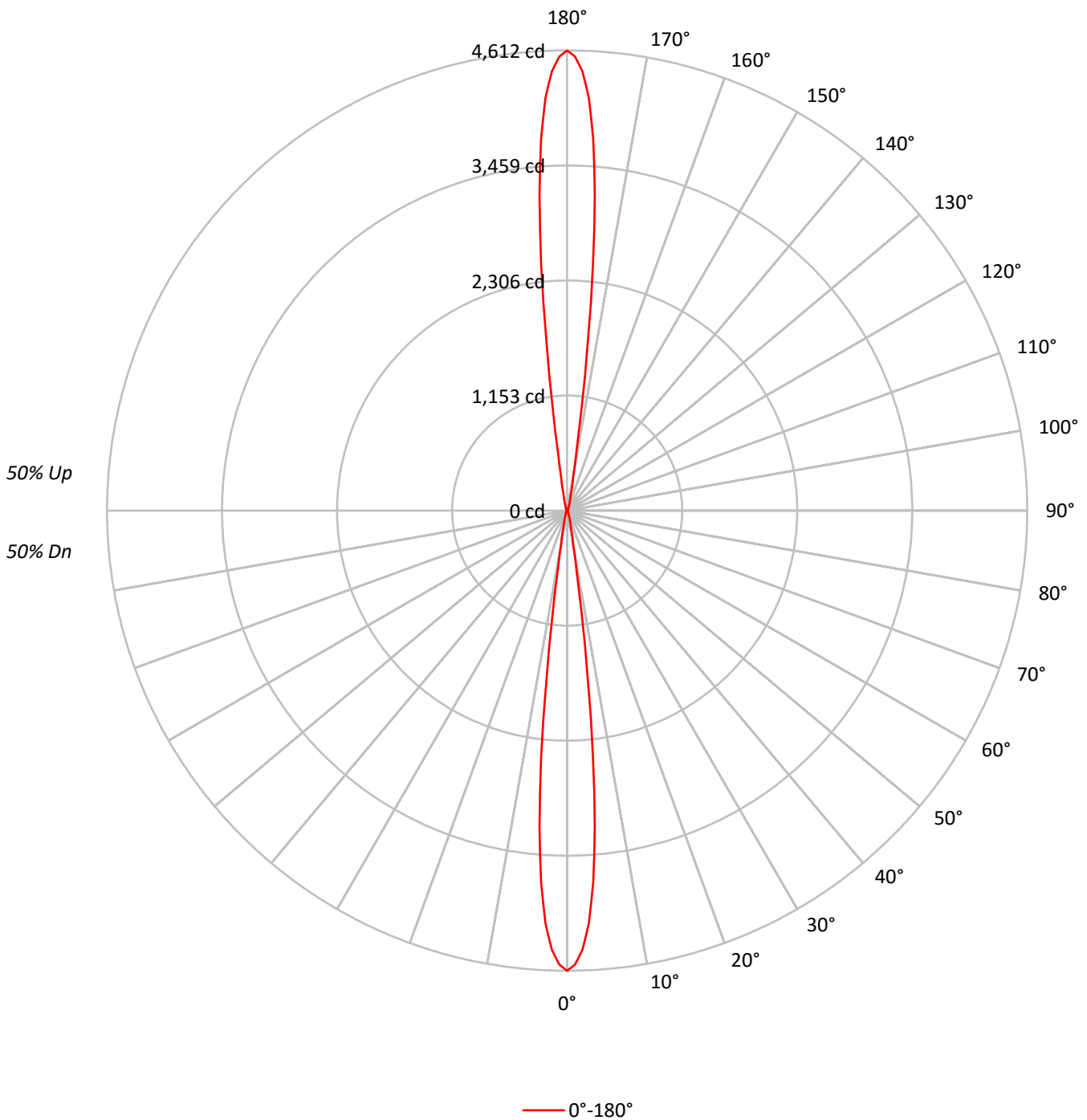
Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	49	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	52	65	57	53	50	53	50	48		49	47	46		46	44	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2275417
5°	1573355
10°	180206
15°	56901
20°	25412
25°	16386
30°	12989
35°	11564
40°	9983
45°	8931
50°	6985
55°	5505
60°	2664
65°	1051
70°	1298
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	35.2
10°-20°	36.6	6.7
20°-30°	14.6	2.7
30°-40°	12.1	2.2
40°-50°	9.9	1.8
50°-60°	5.6	1.0
60°-70°	1.3	0.2
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	0.2
120°-130°	5.6	1.0
130°-140°	9.9	1.8
140°-150°	12.1	2.2
150°-160°	14.6	2.7
160°-170°	36.6	6.7
170°-180°	190.6	35.2
0°-30°	241.7	44.6
0°-40°	253.8	46.8
0°-60°	269.3	49.7
0°-90°	271.0	50.0
90°-120°	1.9	0.4
90°-150°	29.5	5.4
90°-180°	271.0	50.0
0°-180°	542.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4612	
5°	3177	191
15°	111	37
25°	30	15
35°	19	12
45°	13	10
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	1
125°	6	6
135°	13	10
145°	19	12
155°	30	15
165°	111	37
175°	3177	191
180°	4612	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4611.9
1°	4550.7
2°	4403.8
3°	4140.8
4°	3733.7
5°	3176.8
6°	2488.5
7°	1706.2
8°	1019.7
9°	583.3
10°	359.7
12.5°	177.1
15°	111.4
17.5°	77.6
20°	48.4
22.5°	36.5
25°	30.1
27.5°	26.5
30°	22.8
32.5°	21.0
35°	19.2
37.5°	18.3
40°	15.5
42.5°	14.6
45°	12.8
47.5°	11.9
50°	9.1
52.5°	8.2
55°	6.4
57.5°	4.6
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°	4.6
125°	6.4
127.5°	8.2
130°	9.1
132.5°	11.9
135°	12.8
137.5°	14.6
140°	15.5
142.5°	18.3
145°	19.2
147.5°	21.0
150°	22.8
152.5°	26.5
155°	30.1
157.5°	36.5
160°	48.4
162.5°	77.6
165°	111.4
167.5°	177.1
170°	359.7
171°	583.3
172°	1019.7
173°	1706.2
174°	2488.5
175°	3176.8
176°	3733.7
177°	4140.8
178°	4403.8
179°	4550.7
180°	4611.9

(END OF REPORT)