

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: P277796

Luminaire Tested: **203-SS-8LED4025-12-CS**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: P277796
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)
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-8LED4025-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 723.5 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

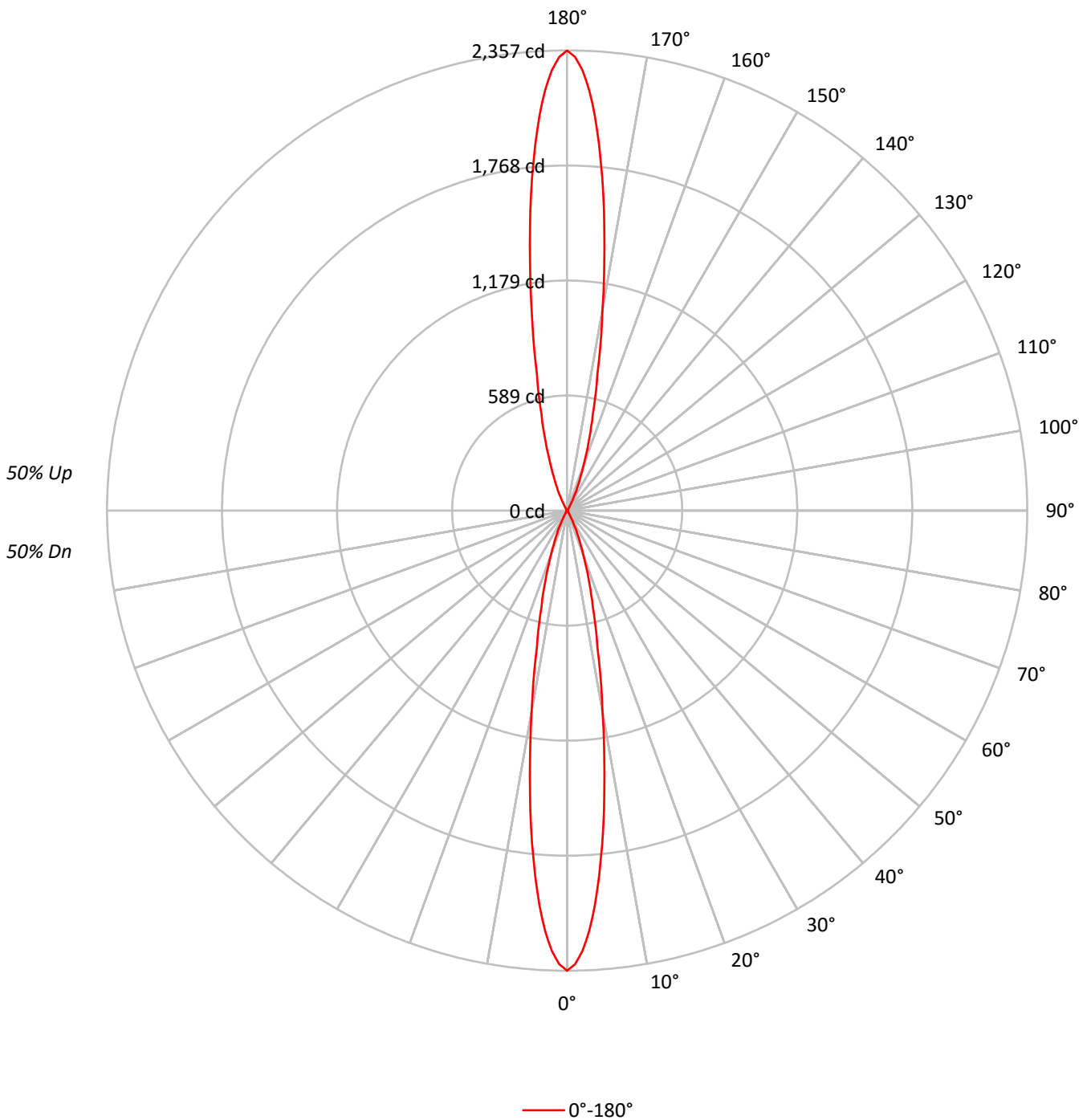
Input Watts (W): 14.7
Input Voltage (V): 12.0
Input Current (Ain): 0.642
Voltage Rise (V): NR
Power Factor: 0.9913
Total Harmonic Distortion (THDi): 26.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.0
Test Distance: 25 FT



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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	93	91	89	87	78	76	75		66	65	64		54	54	54	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	60		53	52	51	47
3	90	83	78	74	84	78	74	71	69	66	63		60	58	56		51	50	49	46
4	85	78	72	68	80	73	69	65	65	62	59		57	55	53		50	48	47	44
5	81	73	67	63	76	69	64	60	62	58	55		55	52	51		48	47	46	43
6	77	69	63	59	72	65	60	57	59	55	53		53	50	48		47	45	44	42
7	74	65	59	55	69	62	57	54	56	53	50		51	48	46		46	44	43	41
8	71	62	56	53	67	59	54	51	54	50	48		49	47	45		45	43	42	40
9	68	59	54	50	64	57	52	49	52	48	46		48	45	43		44	42	41	39
10	65	56	51	48	62	54	50	47	50	47	44		46	44	42		42	41	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1162896
5°	930601
10°	524036
15°	259478
20°	128111
25°	56072
30°	13673
35°	6625
40°	3864
45°	2791
50°	3070
55°	2581
60°	1974
65°	1167
70°	1443
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	20.9
10°-20°	146.8	20.3
20°-30°	48.4	6.7
30°-40°	7.6	1.1
40°-50°	3.5	0.5
50°-60°	2.7	0.4
60°-70°	1.1	0.2
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	1.1	0.2
120°-130°	2.7	0.4
130°-140°	3.5	0.5
140°-150°	7.6	1.1
150°-160°	48.4	6.7
160°-170°	146.8	20.3
170°-180°	151.5	20.9
0°-30°	346.7	47.9
0°-40°	354.4	49.0
0°-60°	360.5	49.8
0°-90°	361.8	50.0
90°-120°	1.2	0.2
90°-150°	15.0	2.1
90°-180°	362.0	50.0
0°-180°	723.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2357	
5°	1879	152
15°	508	147
25°	103	48
35°	11	8
45°	4	3
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	4	3
145°	11	8
155°	103	48
165°	508	147
175°	1879	152
180°	2357	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2357
1°	2324
2°	2257
3°	2157
4°	2029
5°	1879
6°	1717
7°	1546
8°	1372
9°	1208
10°	1046
12.5°	715
15°	508
17.5°	360
20°	244
22.5°	160
25°	103
27.5°	47
30°	24
32.5°	16
35°	11
37.5°	8
40°	6
42.5°	5
45°	4
47.5°	4
50°	4
52.5°	3
55°	3
57.5°	3
60°	2
62.5°	1
65°	1
67.5°	1
70°	1
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°	1
112.5°	1
115°	1
117.5°	1
120°	2
122.5°	3
125°	3
127.5°	3
130°	4
132.5°	4
135°	4
137.5°	5
140°	6
142.5°	8
145°	11
147.5°	16
150°	24
152.5°	47
155°	103
157.5°	160
160°	244
162.5°	360
165°	508
167.5°	715
170°	1046
171°	1208
172°	1372
173°	1546
174°	1717
175°	1879
176°	2029
177°	2157
178°	2257
179°	2324
180°	2357

(END OF REPORT)