

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: P277766

Luminaire Tested: **203-SS-8LED3025-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277766
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3025-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 641.4 lumens
Efficiency: N/A
Efficacy: 43.6 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

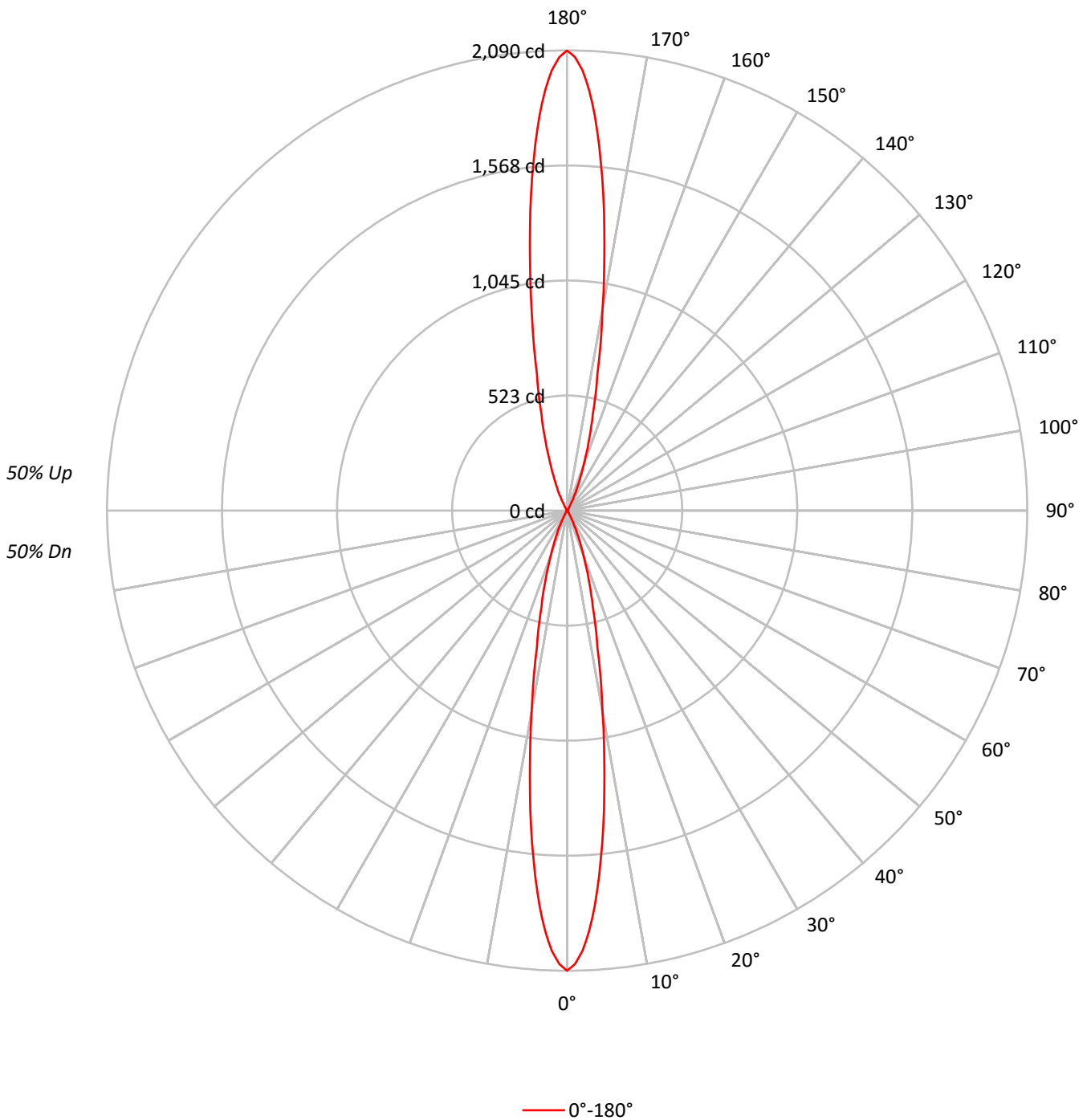
Input Watts (W): 14.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1030917
5°	824962
10°	464569
15°	230006
20°	113567
25°	49702
30°	12135
35°	5903
40°	3414
45°	2442
50°	2686
55°	2322
60°	1776
65°	1051
70°	1298
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	20.9
10°-20°	130.2	20.3
20°-30°	42.9	6.7
30°-40°	6.8	1.1
40°-50°	3.0	0.5
50°-60°	2.4	0.4
60°-70°	1.0	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°	1.0	0.2
120°-130°	2.4	0.4
130°-140°	3.0	0.5
140°-150°	6.8	1.1
150°-160°	42.9	6.7
160°-170°	130.2	20.3
170°-180°	134.3	20.9
0°-30°	307.4	47.9
0°-40°	314.2	49.0
0°-60°	319.6	49.8
0°-90°	320.7	50.0
90°-120°	1.1	0.2
90°-150°	13.3	2.1
90°-180°	321.0	50.0
0°-180°	641.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2090	
5°	1666	134
15°	450	130
25°	91	43
35°	10	7
45°	4	3
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	2
135°	4	3
145°	10	7
155°	91	43
165°	450	130
175°	1666	134
180°	2090	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2089.5
1°	2060.2
2°	2000.8
3°	1912.2
4°	1798.7
5°	1665.7
6°	1522.1
7°	1370.5
8°	1216.3
9°	1070.9
10°	927.3
12.5°	633.8
15°	450.3
17.5°	319.1
20°	216.3
22.5°	141.8
25°	91.3
27.5°	41.7
30°	21.3
32.5°	14.2
35°	9.8
37.5°	7.1
40°	5.3
42.5°	4.4
45°	3.5
47.5°	3.5
50°	3.5
52.5°	2.7
55°	2.7
57.5°	2.7
60°	1.8
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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°	0.9
112.5°	0.9
115°	0.9
117.5°	0.9
120°	1.8
122.5°	2.7
125°	2.7
127.5°	2.7
130°	3.5
132.5°	3.5
135°	3.5
137.5°	4.4
140°	5.3
142.5°	7.1
145°	9.8
147.5°	14.2
150°	21.3
152.5°	41.7
155°	91.3
157.5°	141.8
160°	216.3
162.5°	319.1
165°	450.3
167.5°	633.8
170°	927.3
171°	1070.9
172°	1216.3
173°	1370.5
174°	1522.1
175°	1665.7
176°	1798.7
177°	1912.2
178°	2000.8
179°	2060.2
180°	2089.5

(END OF REPORT)