

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: P277761

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277761
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-5)
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-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK
Light Source: (1) SORAA 3000K 95 CRI 25°NFL LED SM16-07-25D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 663.5 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.33
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

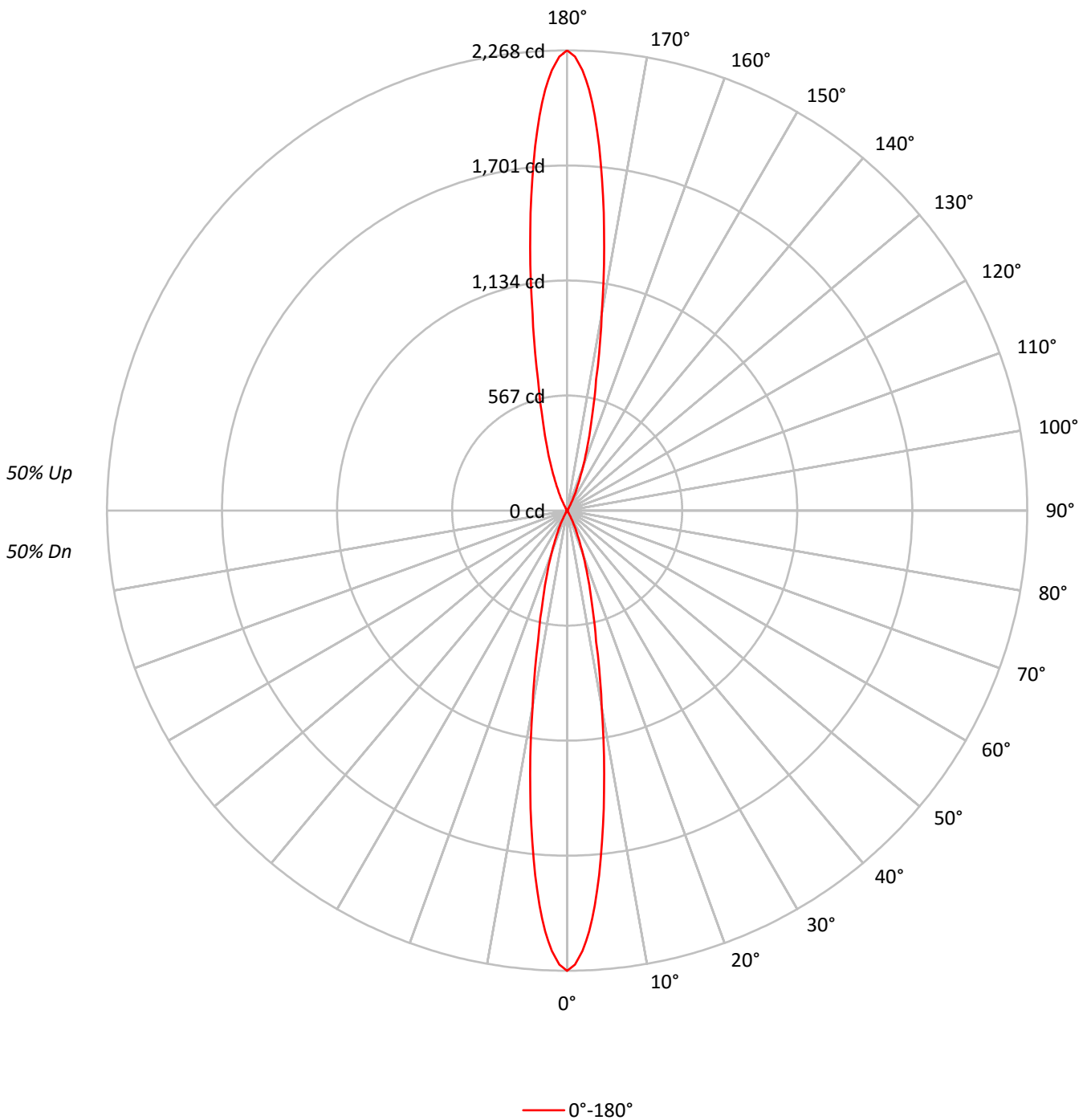
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	93	91	89	87	78	76	75	66	65	64	55	54	54	49				
2	95	90	86	83	88	84	81	78	73	71	69	63	61	60	53	52	52	47				
3	90	84	79	75	84	79	74	71	69	66	64	60	58	56	52	51	50	46				
4	86	78	73	69	80	74	69	66	65	62	59	57	55	54	50	49	48	45				
5	81	73	68	64	76	69	65	61	62	59	56	55	53	51	49	47	46	44				
6	78	69	64	60	73	66	61	57	59	56	53	53	51	49	48	46	45	43				
7	74	66	60	56	70	63	58	54	57	53	51	51	49	47	46	45	44	42				
8	71	62	57	53	67	60	55	52	55	51	49	50	47	46	45	44	43	41				
9	68	60	54	51	65	57	53	49	53	49	47	48	46	44	44	43	41	40				
10	66	57	52	49	62	55	50	47	51	47	45	47	44	43	43	42	40	39				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1119232
5°	893457
10°	492975
15°	238179
20°	116822
25°	49212
30°	11109
35°	4276
40°	2254
45°	1256
50°	691
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	21.8
10°-20°	135.7	20.4
20°-30°	43.6	6.6
30°-40°	5.2	0.8
40°-50°	1.4	0.2
50°-60°	0.8	0.1
60°-70°	0.1	0.0
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°	0.1	0.0
120°-130°	0.8	0.1
130°-140°	1.4	0.2
140°-150°	5.2	0.8
150°-160°	43.6	6.6
160°-170°	135.7	20.4
170°-180°	144.9	21.8
0°-30°	324.2	48.9
0°-40°	329.4	49.6
0°-60°	331.6	50.0
0°-90°	331.8	50.0
90°-120°	0.1	0.0
90°-150°	7.6	1.1
90°-180°	332.0	50.0
0°-180°	663.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2268	
5°	1804	145
15°	466	136
25°	90	44
35°	7	5
45°	2	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	2	1
145°	7	5
155°	90	44
165°	466	136
175°	1804	145
180°	2268	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2268.5
1°	2237.5
2°	2171.9
3°	2077.1
4°	1951.2
5°	1804.0
6°	1644.4
7°	1479.6
8°	1310.2
9°	1143.6
10°	984.0
12.5°	661.3
15°	466.3
17.5°	330.7
20°	222.5
22.5°	143.6
25°	90.4
27.5°	45.2
30°	19.5
32.5°	11.5
35°	7.1
37.5°	4.4
40°	3.5
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
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°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.9
122.5°	0.9
125°	0.9
127.5°	0.9
130°	0.9
132.5°	0.9
135°	1.8
137.5°	2.7
140°	3.5
142.5°	4.4
145°	7.1
147.5°	11.5
150°	19.5
152.5°	45.2
155°	90.4
157.5°	143.6
160°	222.5
162.5°	330.7
165°	466.3
167.5°	661.3
170°	984.0
171°	1143.6
172°	1310.2
173°	1479.6
174°	1644.4
175°	1804.0
176°	1951.2
177°	2077.1
178°	2171.9
179°	2237.5
180°	2268.5

(END OF REPORT)