

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: P277765

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277765
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-31)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

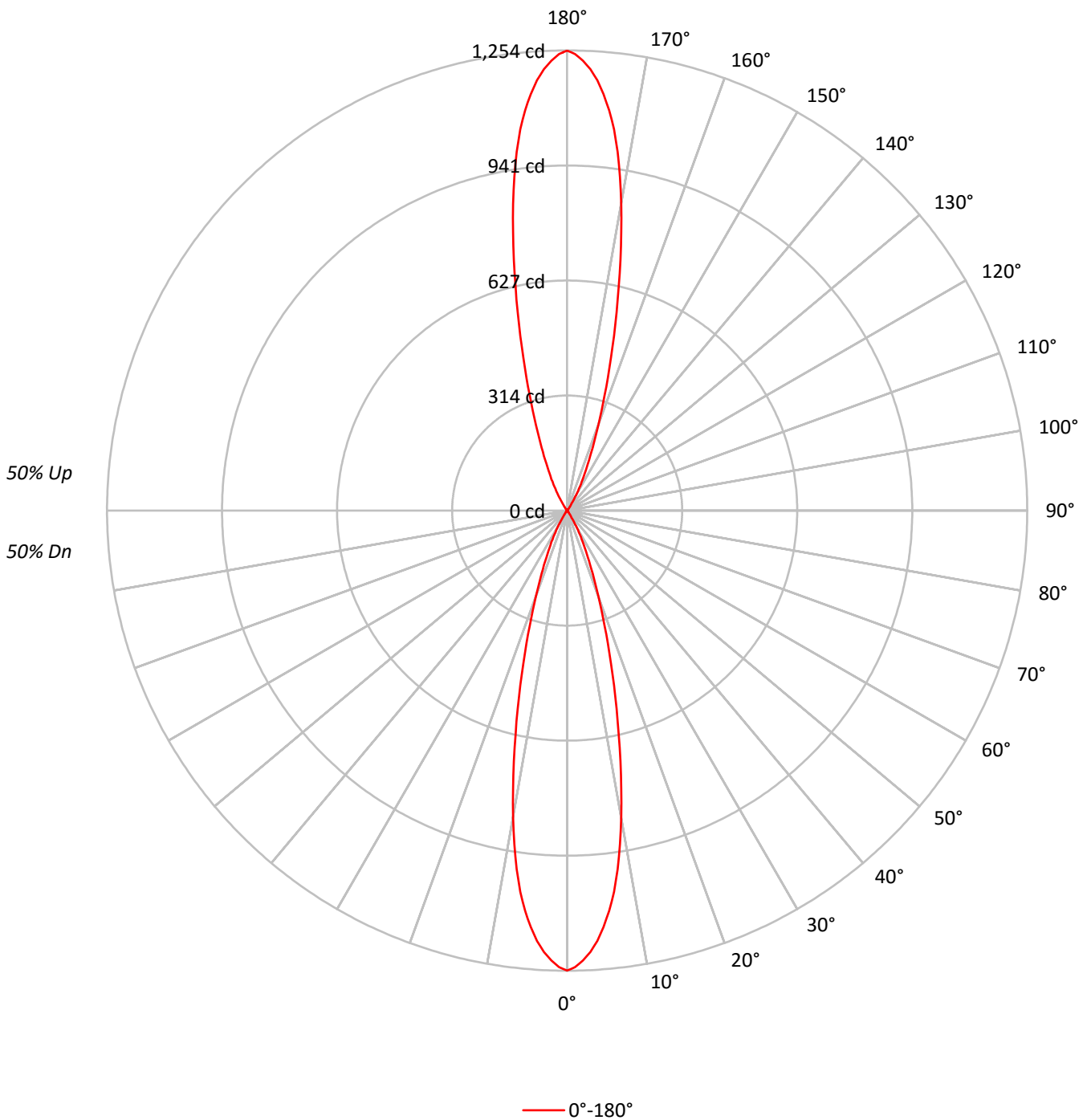
Lumens per Lamp: N/A
Luminaire Lumens: 611.7 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.44
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	92	93	91	88	86	78	76	75	65	65	64	54	54	53	48				
2	95	90	85	82	88	84	80	77	72	70	68	62	61	59	52	52	51	47				
3	90	83	78	74	83	78	73	70	68	65	63	59	57	55	51	50	49	45				
4	85	77	72	67	79	73	68	64	64	61	58	56	54	52	49	48	47	43				
5	80	72	66	62	75	68	63	59	61	57	54	54	51	50	47	46	45	42				
6	76	68	62	58	72	64	59	56	58	54	51	52	49	47	46	44	43	41				
7	73	64	58	54	68	61	56	52	55	51	49	50	47	45	45	43	42	39				
8	69	60	55	51	65	58	53	49	53	49	46	48	45	43	43	41	40	38				
9	66	57	52	48	63	55	50	47	50	47	44	46	43	41	42	40	39	37				
10	64	55	49	46	60	53	48	45	48	45	42	44	42	40	41	39	38	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	618451
5°	564155
10°	425041
15°	251765
20°	130316
25°	65653
30°	27289
35°	8011
40°	2834
45°	1884
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	16.3
10°-20°	135.9	22.2
20°-30°	57.2	9.3
30°-40°	10.5	1.7
40°-50°	2.0	0.3
50°-60°	0.7	0.1
60°-70°	0.0	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°	0.0	0.0
120°-130°	0.7	0.1
130°-140°	2.0	0.3
140°-150°	10.5	1.7
150°-160°	57.2	9.3
160°-170°	135.9	22.2
170°-180°	99.6	16.3
0°-30°	292.7	47.8
0°-40°	303.1	49.6
0°-60°	305.9	50.0
0°-90°	305.9	50.0
90°-120°	0.0	0.0
90°-150°	13.2	2.2
90°-180°	306.0	50.0
0°-180°	611.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1254	
5°	1139	100
15°	493	136
25°	121	57
35°	13	10
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	0
125°	1	1
135°	3	2
145°	13	10
155°	121	57
165°	493	136
175°	1139	100
180°	1254	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1253.5
1°	1244.6
2°	1226.9
3°	1204.7
4°	1175.5
5°	1139.1
6°	1096.6
7°	1046.9
8°	986.7
9°	921.1
10°	848.4
11°	773.9
12°	697.7
13°	625.0
14°	556.7
15°	492.9
16°	433.5
17°	378.5
18°	329.8
19°	286.3
20°	248.2
21°	213.6
22°	185.3
23°	161.3
24°	139.2
25°	120.6
26°	103.7
27°	87.8
28°	73.6
29°	61.2
30°	47.9
32.5°	22.2
35°	13.3
37.5°	8.0
40°	4.4
42.5°	3.5
45°	2.7
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.0
62.5°	0.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

	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
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°	0.0
122.5°	0.9
125°	0.9
127.5°	0.9
130°	0.9
132.5°	1.8
135°	2.7
137.5°	3.5
140°	4.4
142.5°	8.0
145°	13.3
147.5°	22.2
150°	47.9
151°	61.2
152°	73.6
153°	87.8
154°	103.7
155°	120.6
156°	139.2
157°	161.3
158°	185.3
159°	213.6
160°	248.2
161°	286.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	329.8
163°	378.5
164°	433.5
165°	492.9
166°	556.7
167°	625.0
168°	697.7
169°	773.9
170°	848.4
171°	921.1
172°	986.7
173°	1046.9
174°	1096.6
175°	1139.1
176°	1175.5
177°	1204.7
178°	1226.9
179°	1244.6
180°	1253.5

(END OF REPORT)