

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: P277793

Luminaire Tested: **203-SS-8LED4025-12-BK-LSL**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: P277793  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-29)  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 04/06/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED4025-12-BK-LSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, LINEAR SPREAD LENS  
Light Source: (1) SORAA 4000K 95 CRI LED  
SM16-07-25D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

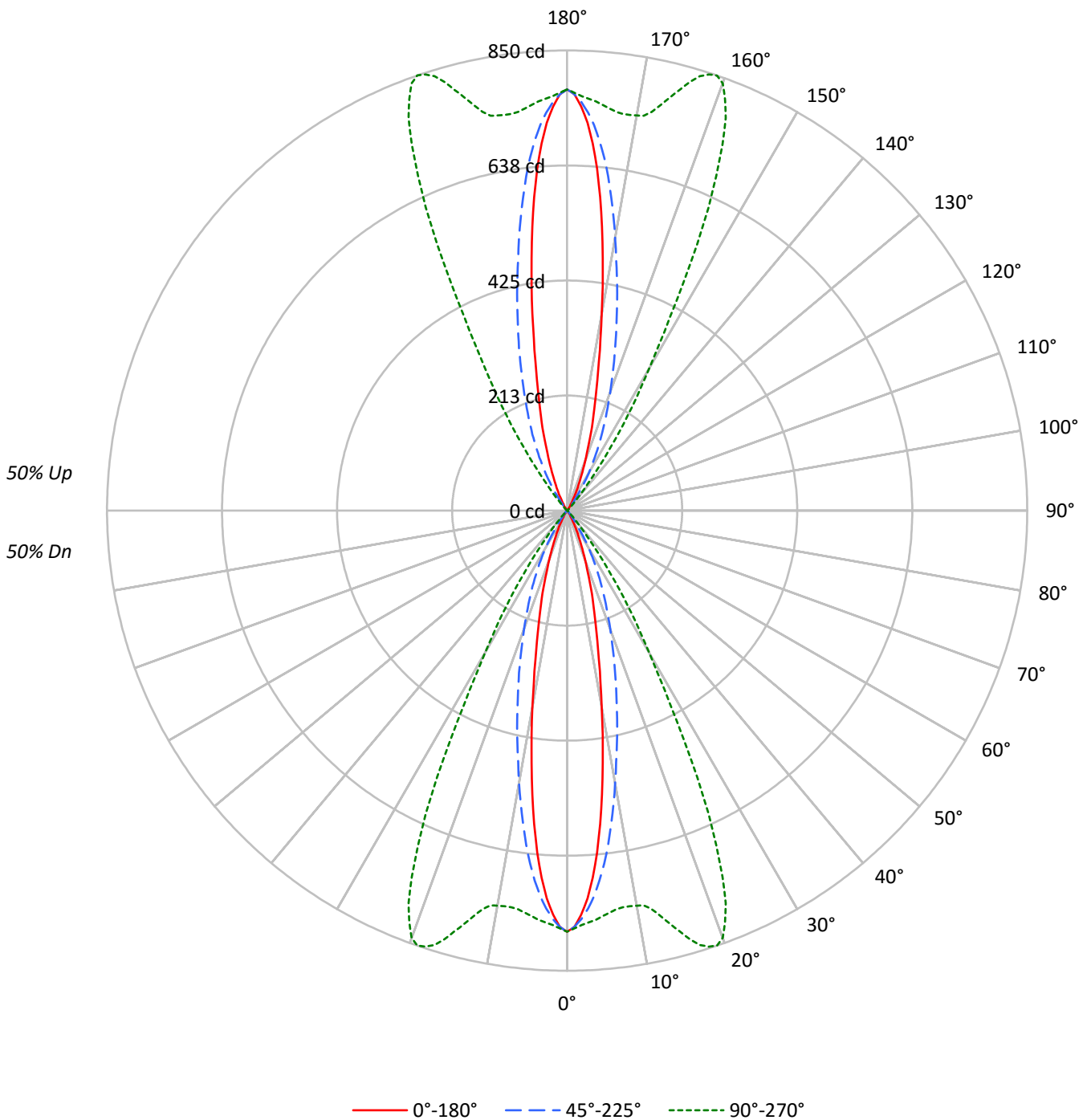
Lumens per Lamp: N/A  
Luminaire Lumens: 632.5 lumens  
Efficiency: N/A  
Efficacy: 40.3 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 15.7  
Input Voltage (V): 12.0  
Input Current (Ain): 0.691  
Voltage Rise (V): NR  
Power Factor: 0.9909  
Total Harmonic Distortion (THDi): 26.9%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): 24.9  
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	100	97	94	92	93	90	88	86	77	75	74	65	64	63	54	53	53	48				
2	94	89	84	80	87	83	79	76	71	69	67	61	59	58	51	50	50	45				
3	88	81	76	72	82	76	72	68	67	63	61	58	55	53	49	48	47	43				
4	83	75	69	65	77	71	66	62	62	58	56	54	52	50	47	45	44	41				
5	78	70	63	59	73	66	60	56	58	54	51	51	49	46	45	43	42	39				
6	74	65	59	54	69	61	56	52	55	51	48	49	46	44	43	41	40	37				
7	70	60	54	50	66	57	52	48	52	48	45	46	43	41	41	39	38	35				
8	66	57	51	46	62	54	49	45	49	45	42	44	41	39	39	37	36	34				
9	63	53	47	43	59	51	46	42	46	42	39	42	39	37	38	36	34	32				
10	60	50	45	41	57	48	43	40	44	40	37	40	37	35	36	34	33	31				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	383849	383849	383849
5°	313997	339751	372439
10°	184866	256006	371234
15°	99092	179285	411181
20°	50404	121810	441037
25°	23409	80024	336429
30°	7976	45007	172051
35°	3614	15660	76493
40°	1932	5152	19966
45°	1395	2093	3489
50°	768	1535	1535
55°	860	860	860
60°	987	987	987
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	9.6
10°-20°	118.3	18.7
20°-30°	101.1	16.0
30°-40°	31.7	5.0
40°-50°	3.5	0.6
50°-60°	1.0	0.2
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°	1.0	0.2
130°-140°	3.5	0.6
140°-150°	31.7	5.0
150°-160°	101.1	16.0
160°-170°	118.3	18.7
170°-180°	60.6	9.6
0°-30°	280.0	44.3
0°-40°	311.7	49.3
0°-60°	316.2	50.0
0°-90°	316.3	50.0
90°-120°	0.1	0.0
90°-150°	36.3	5.7
90°-180°	316.0	50.0
0°-180°	632.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	634	645	686	733	752	52
15°	194	225	351	614	805	54
25°	43	59	147	366	618	21
35°	6	8	26	85	127	4
45°	2	2	3	5	5	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	1	1	1	1	1	1
135°	2	2	3	5	5	2
145°	6	8	26	85	127	4
155°	43	59	147	366	618	21
165°	194	225	351	614	805	54
175°	634	645	686	733	752	52
180°	778	778	778	778	778	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	778	778	778	778	778
1°	769	768	769	771	772
2°	747	748	755	763	766
3°	717	720	736	755	762
4°	680	686	714	745	758
5°	634	645	686	733	752
6°	582	599	655	719	747
7°	529	551	622	706	742
8°	471	500	584	689	740
9°	419	450	548	676	740
10°	369	402	511	662	741
11°	323	357	474	648	743
12°	282	317	442	635	753
13°	247	283	411	627	769
14°	219	251	379	620	787
15°	194	225	351	614	805
16°	171	201	325	603	824
17°	150	180	300	593	839
18°	130	159	276	580	847
19°	112	141	253	562	850
20°	96	123	232	541	840
21°	83	107	213	517	814
22°	70	93	195	483	782
23°	60	79	178	444	734
24°	51	68	162	405	677
25°	43	59	147	366	618
26°	36	50	132	326	548
27°	30	43	118	292	474
28°	23	35	104	257	405
29°	18	28	92	223	349
30°	14	22	79	194	302
32.5°	9	13	50	135	208
35°	6	8	26	85	127
37.5°	5	6	14	44	61
40°	3	4	8	19	31
42.5°	3	3	5	9	11
45°	2	2	3	5	5
47.5°	2	2	2	3	4
50°	1	1	2	2	2
52.5°	1	1	1	1	1
55°	1	1	1	1	1
57.5°	1	1	1	1	1
60°	1	1	1	1	1
62.5°	0	0	0	0	0
65°	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	0	0	0	0	0
70°	0	0	0	0	0
72.5°	0	0	0	0	0
75°	0	0	0	0	0
77.5°	0	0	0	0	0
80°	0	0	0	0	0
82.5°	0	0	0	0	0
85°	0	0	0	0	0
87.5°	0	0	0	0	0
90°	0	0	0	0	0
92.5°	0	0	0	0	0
95°	0	0	0	0	0
97.5°	0	0	0	0	0
100°	0	0	0	0	0
102.5°	0	0	0	0	0
105°	0	0	0	0	0
107.5°	0	0	0	0	0
110°	0	0	0	0	0
112.5°	0	0	0	0	0
115°	0	0	0	0	0
117.5°	0	0	0	0	0
120°	1	1	1	1	1
122.5°	1	1	1	1	1
125°	1	1	1	1	1
127.5°	1	1	1	1	1
130°	1	1	2	2	2
132.5°	2	2	2	3	4
135°	2	2	3	5	5
137.5°	3	3	5	9	11
140°	3	4	8	19	31
142.5°	5	6	14	44	61
145°	6	8	26	85	127
147.5°	9	13	50	135	208
150°	14	22	79	194	302
151°	18	28	92	223	349
152°	23	35	104	257	405
153°	30	43	118	292	474
154°	36	50	132	326	548
155°	43	59	147	366	618
156°	51	68	162	405	677
157°	60	79	178	444	734
158°	70	93	195	483	782
159°	83	107	213	517	814
160°	96	123	232	541	840
161°	112	141	253	562	850



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
162°	130	159	276	580	847
163°	150	180	300	593	839
164°	171	201	325	603	824
165°	194	225	351	614	805
166°	219	251	379	620	787
167°	247	283	411	627	769
168°	282	317	442	635	753
169°	323	357	474	648	743
170°	369	402	511	662	741
171°	419	450	548	676	740
172°	471	500	584	689	740
173°	529	551	622	706	742
174°	582	599	655	719	747
175°	634	645	686	733	752
176°	680	686	714	745	758
177°	717	720	736	755	762
178°	747	748	755	763	766
179°	769	768	769	771	772
180°	778	778	778	778	778

(END OF REPORT)