

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: P277795

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: P277795
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-31)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 95 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

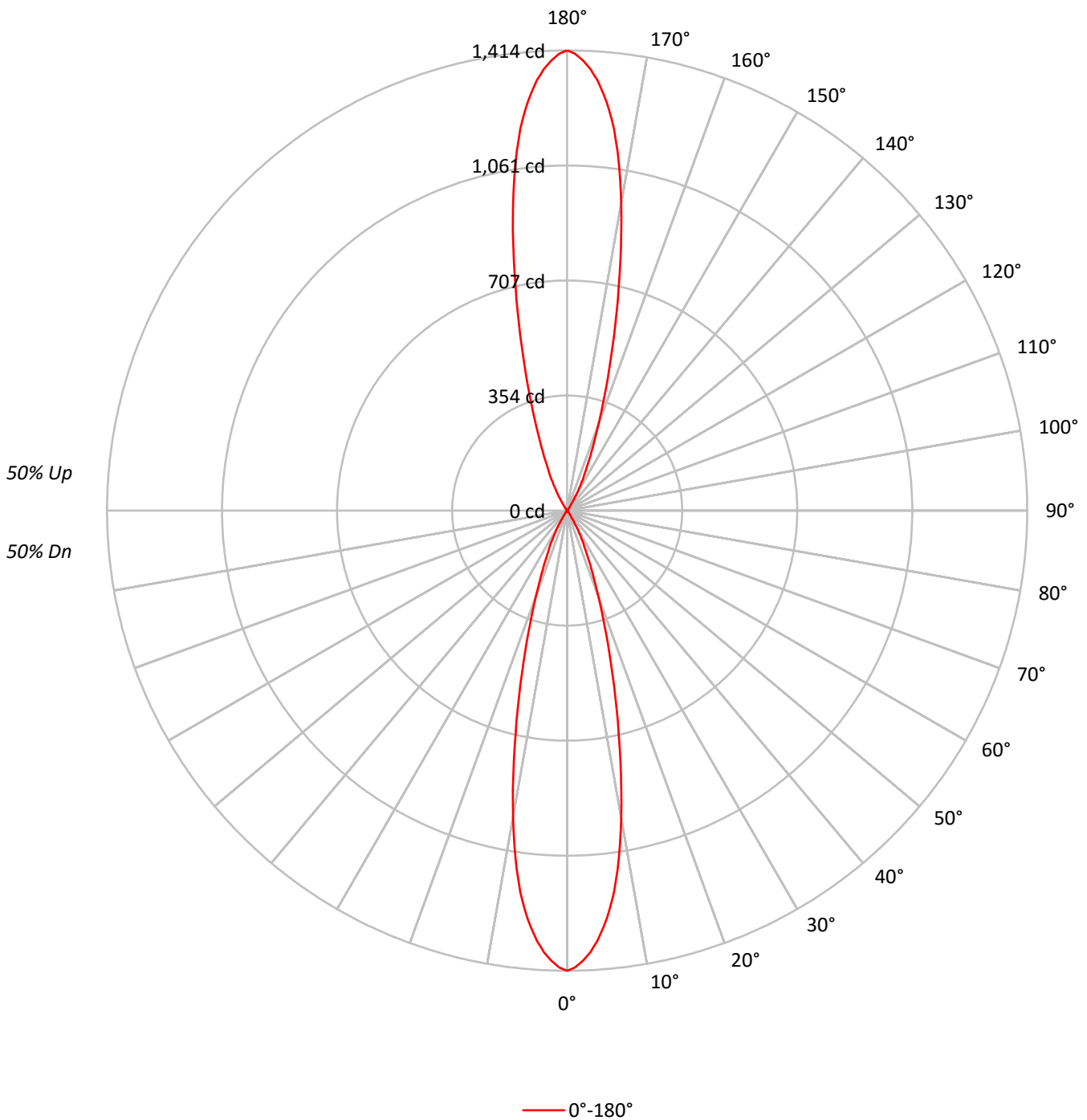
Lumens per Lamp: N/A
Luminaire Lumens: 690.0 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.44
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.8
Input Voltage (V): 12.0
Input Current (Ain): 0.692
Voltage Rise (V): NR
Power Factor: 0.991
Total Harmonic Distortion (THDi): 27.0
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	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°	697639
5°	636414
10°	479448
15°	283996
20°	147012
25°	74036
30°	30764
35°	9035
40°	3220
45°	2093
50°	768
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	16.3
10°-20°	153.3	22.2
20°-30°	64.5	9.3
30°-40°	11.8	1.7
40°-50°	2.3	0.3
50°-60°	0.8	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°	0.8	0.1
130°-140°	2.3	0.3
140°-150°	11.8	1.7
150°-160°	64.5	9.3
160°-170°	153.3	22.2
170°-180°	112.3	16.3
0°-30°	330.1	47.8
0°-40°	341.9	49.6
0°-60°	345.0	50.0
0°-90°	345.0	50.0
90°-120°	0.0	0.0
90°-150°	14.9	2.2
90°-180°	345.0	50.0
0°-180°	690.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1414	
5°	1285	112
15°	556	153
25°	136	64
35°	15	12
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°	15	12
155°	136	64
165°	556	153
175°	1285	112
180°	1414	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1414
1°	1404
2°	1384
3°	1359
4°	1326
5°	1285
6°	1237
7°	1181
8°	1113
9°	1039
10°	957
11°	873
12°	787
13°	705
14°	628
15°	556
16°	489
17°	427
18°	372
19°	323
20°	280
21°	241
22°	209
23°	182
24°	157
25°	136
26°	117
27°	99
28°	83
29°	69
30°	54
32.5°	25
35°	15
37.5°	9
40°	5
42.5°	4
45°	3
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	1
60°	0
62.5°	0
65°	0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0
70°	0
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
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	1
125°	1
127.5°	1
130°	1
132.5°	2
135°	3
137.5°	4
140°	5
142.5°	9
145°	15
147.5°	25
150°	54
151°	69
152°	83
153°	99
154°	117
155°	136
156°	157
157°	182
158°	209
159°	241
160°	280
161°	323



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CANDELA DISTRIBUTION (continued):

	0°
162°	372
163°	427
164°	489
165°	556
166°	628
167°	705
168°	787
169°	873
170°	957
171°	1039
172°	1113
173°	1181
174°	1237
175°	1285
176°	1326
177°	1359
178°	1384
179°	1404
180°	1414

(END OF REPORT)