

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: P277740

Luminaire Tested: **203-SS-8LED2725-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277740
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2725-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

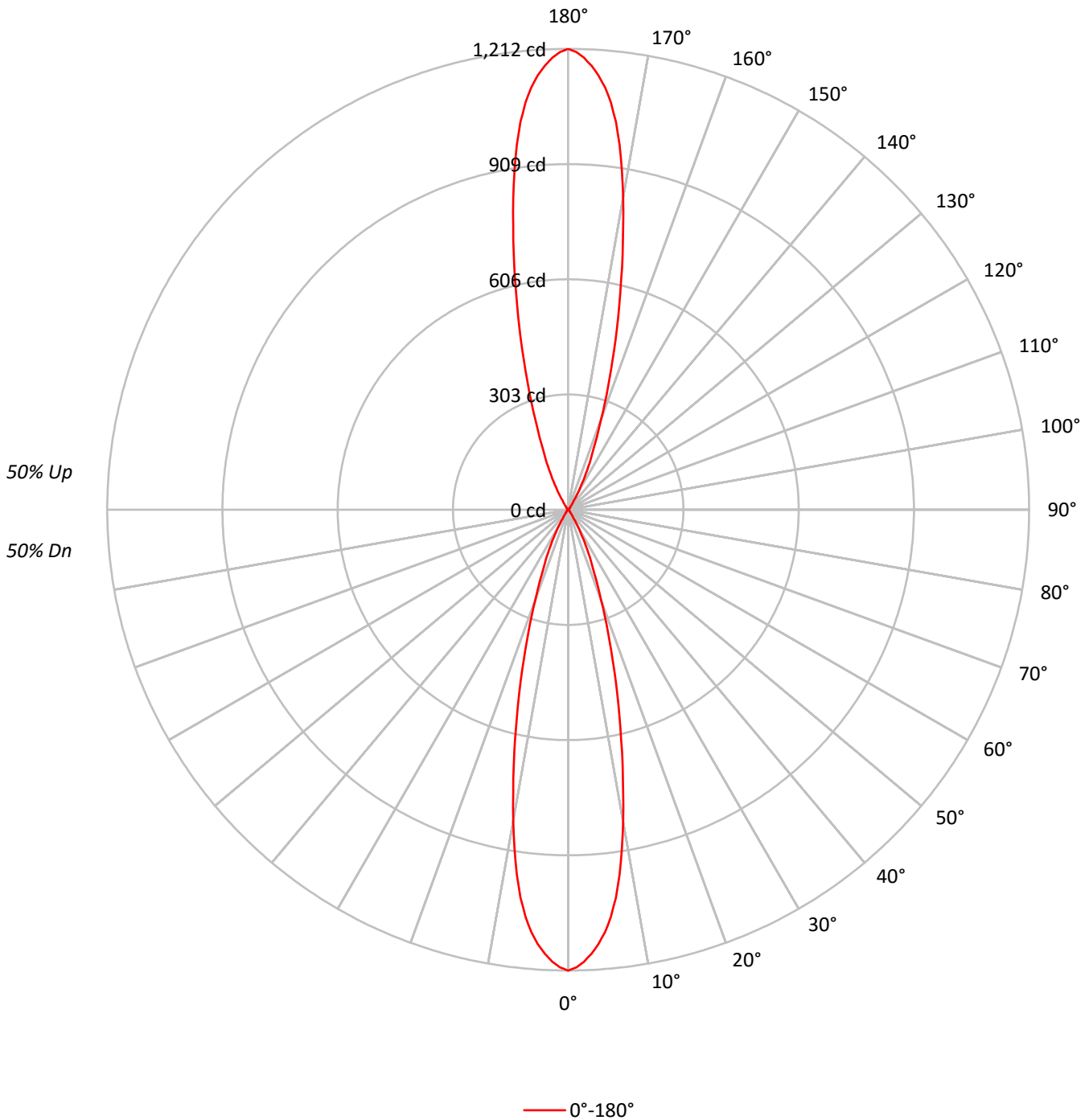
Lumens per Lamp: N/A
Luminaire Lumens: 622.9 lumens
Efficiency: N/A
Efficacy: 41.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.1
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	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	77	76	74		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	77	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	49	47		45	44	42	40
7	72	63	57	53	68	60	55	52	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	49	52	48	46		47	44	42		43	41	39	38
9	66	57	51	47	62	54	49	46	50	46	43		45	43	41		41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	42		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	598124
5°	552021
10°	417125
15°	252736
20°	133729
25°	68592
30°	27061
35°	9336
40°	4702
45°	3210
50°	2840
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°	97.5	15.6
10°-20°	136.1	21.9
20°-30°	58.9	9.5
30°-40°	11.7	1.9
40°-50°	3.7	0.6
50°-60°	2.2	0.4
60°-70°	1.0	0.2
70°-80°	0.4	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.1
110°-120°	1.0	0.2
120°-130°	2.2	0.4
130°-140°	3.7	0.6
140°-150°	11.7	1.9
150°-160°	58.9	9.5
160°-170°	136.1	21.9
170°-180°	97.5	15.6
0°-30°	292.4	46.9
0°-40°	304.2	48.8
0°-60°	310.1	49.8
0°-90°	311.4	50.0
90°-120°	1.6	0.3
90°-150°	19.2	3.1
90°-180°	312.0	50.1
0°-180°	622.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1212	
5°	1115	97
15°	495	136
25°	126	59
35°	16	12
45°	5	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	1
125°	3	2
135°	5	4
145°	16	12
155°	126	59
165°	495	136
175°	1115	97
180°	1212	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1212.3
1°	1204.1
2°	1189.5
3°	1169.4
4°	1144.8
5°	1114.6
6°	1075.4
7°	1027.9
8°	969.5
9°	903.8
10°	832.6
11°	758.6
12°	687.4
13°	619.8
14°	555.0
15°	494.8
16°	437.3
17°	385.2
18°	338.7
19°	293.9
20°	254.7
21°	220.0
22°	190.8
23°	166.1
24°	145.1
25°	126.0
26°	107.7
27°	91.3
28°	74.9
29°	60.3
30°	47.5
32.5°	24.6
35°	15.5
37.5°	10.0
40°	7.3
42.5°	5.5
45°	4.6
47.5°	3.7
50°	3.7
52.5°	2.7
55°	2.7
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
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°	0.9
110°	0.9
112.5°	0.9
115°	0.9
117.5°	0.9
120°	1.8
122.5°	1.8
125°	2.7
127.5°	2.7
130°	3.7
132.5°	3.7
135°	4.6
137.5°	5.5
140°	7.3
142.5°	10.0
145°	15.5
147.5°	24.6
150°	47.5
151°	60.3
152°	74.9
153°	91.3
154°	107.7
155°	126.0
156°	145.1
157°	166.1
158°	190.8
159°	220.0
160°	254.7
161°	293.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	338.7
163°	385.2
164°	437.3
165°	494.8
166°	555.0
167°	619.8
168°	687.4
169°	758.6
170°	832.6
171°	903.8
172°	969.5
173°	1027.9
174°	1075.4
175°	1114.6
176°	1144.8
177°	1169.4
178°	1189.5
179°	1204.1
180°	1212.3

(END OF REPORT)