

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: P277744

Luminaire Tested: **203-SS-8LED2736-12-BK-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277744
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-34)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2736-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

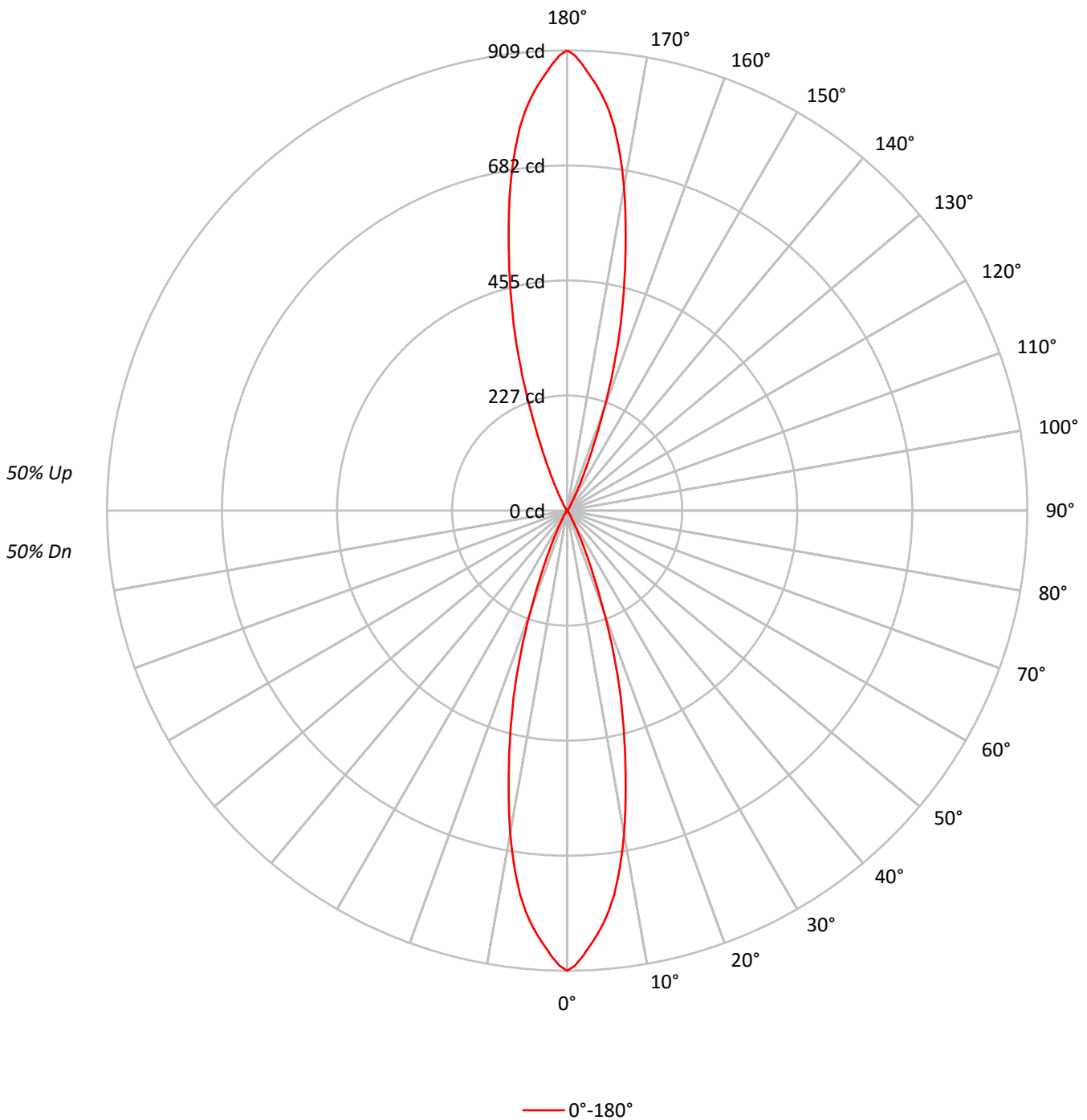
Lumens per Lamp: N/A
Luminaire Lumens: 460.2 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.6
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	88	86	78	76	75	65	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47				
3	90	83	78	74	83	78	74	70	68	65	63	59	57	56	51	50	49	45				
4	85	77	72	68	79	73	68	64	64	61	58	57	54	53	49	48	47	44				
5	81	72	67	62	75	68	63	60	61	57	55	54	52	50	48	46	45	42				
6	77	68	62	58	72	65	60	56	58	54	52	52	49	48	46	45	43	41				
7	73	64	58	54	69	61	56	53	55	52	49	50	47	45	45	43	42	40				
8	70	61	55	51	66	58	53	50	53	49	47	48	46	44	44	42	41	39				
9	67	58	52	49	63	55	51	47	51	47	45	46	44	42	42	41	39	38				
10	64	55	50	46	61	53	48	45	49	45	43	45	42	40	41	39	38	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	448581
5°	405572
10°	324241
15°	217288
20°	111204
25°	36800
30°	10426
35°	4397
40°	2383
45°	1256
50°	691
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	15.8
10°-20°	114.3	24.8
20°-30°	36.3	7.9
30°-40°	5.2	1.1
40°-50°	1.5	0.3
50°-60°	0.1	0.0
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°	0.1	0.0
130°-140°	1.5	0.3
140°-150°	5.2	1.1
150°-160°	36.3	7.9
160°-170°	114.3	24.8
170°-180°	72.8	15.8
0°-30°	223.4	48.5
0°-40°	228.5	49.7
0°-60°	230.1	50.0
0°-90°	230.1	50.0
90°-120°	0.0	0.0
90°-150°	6.7	1.5
90°-180°	230.0	50.0
0°-180°	460.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	909	
5°	819	73
15°	425	114
25°	68	36
35°	7	5
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	1
145°	7	5
155°	68	36
165°	425	114
175°	819	73
180°	909	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	909.2
1°	899.2
2°	880.9
3°	860.9
4°	840.8
5°	818.9
6°	793.3
7°	764.1
8°	727.6
9°	688.3
10°	647.2
11°	602.5
12°	555.9
13°	511.2
14°	467.4
15°	425.4
16°	383.4
17°	340.5
18°	296.7
19°	253.8
20°	211.8
21°	173.4
22°	140.6
23°	112.3
24°	86.7
25°	67.6
26°	52.9
27°	39.3
28°	31.0
29°	22.8
30°	18.3
32.5°	11.0
35°	7.3
37.5°	4.6
40°	3.7
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.0
55°	0.0
57.5°	0.0
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°	0.0
125°	0.0
127.5°	0.0
130°	0.9
132.5°	0.9
135°	1.8
137.5°	2.7
140°	3.7
142.5°	4.6
145°	7.3
147.5°	11.0
150°	18.3
151°	22.8
152°	31.0
153°	39.3
154°	52.9
155°	67.6
156°	86.7
157°	112.3
158°	140.6
159°	173.4
160°	211.8
161°	253.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	296.7
163°	340.5
164°	383.4
165°	425.4
166°	467.4
167°	511.2
168°	555.9
169°	602.5
170°	647.2
171°	688.3
172°	727.6
173°	764.1
174°	793.3
175°	818.9
176°	840.8
177°	860.9
178°	880.9
179°	899.2
180°	909.2

(END OF REPORT)