

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: P277742

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277742
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-32)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

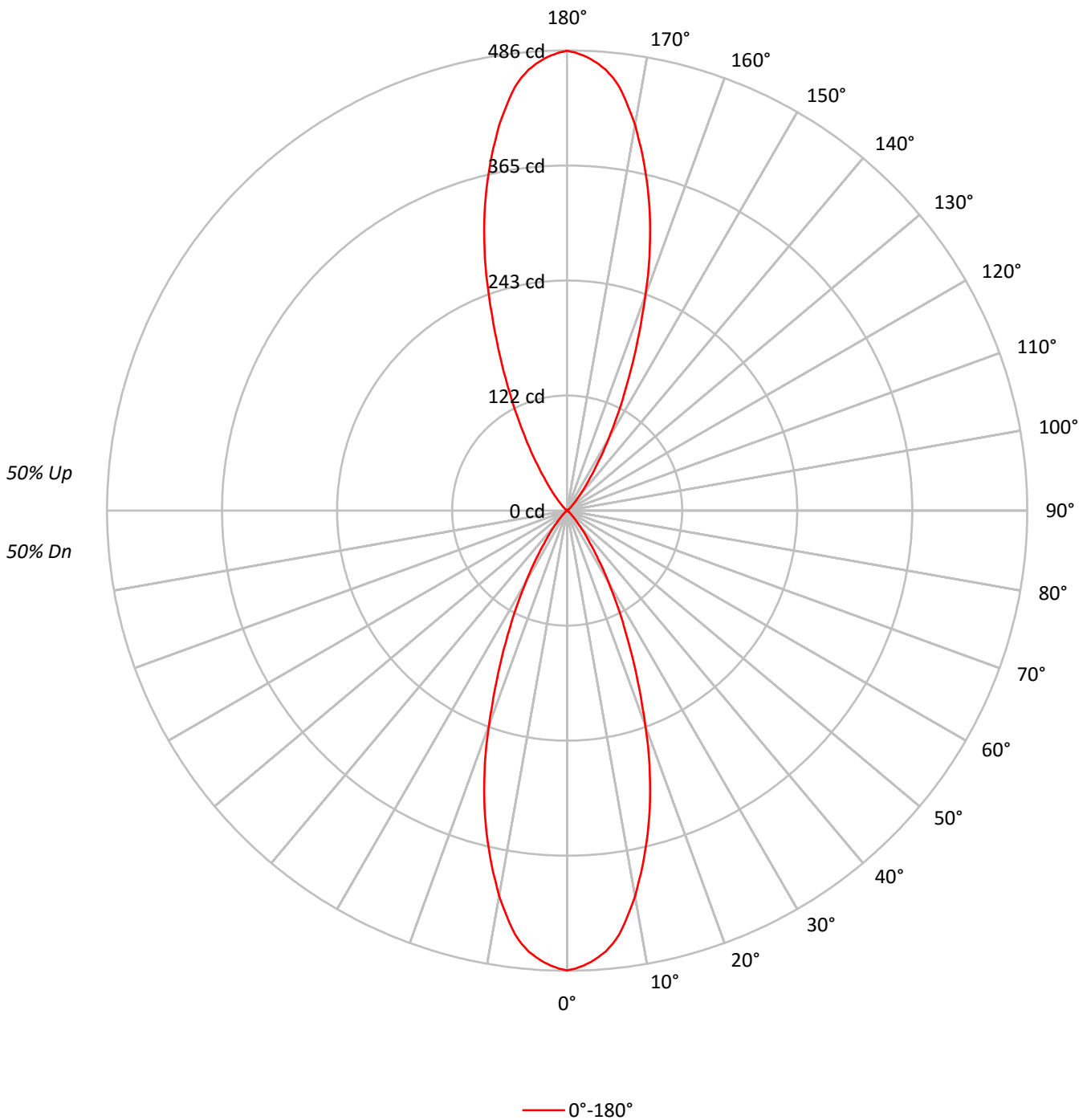
Lumens per Lamp: N/A
Luminaire Lumens: 482.5 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.5
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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	75	71	69	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	47	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		44	43	41	38
6	74	64	58	53	69	61	55	51	54	50	47		48	45	43		42	40	39	36
7	70	60	54	49	65	57	51	48	51	47	44		46	43	40		41	38	37	35
8	66	56	50	46	62	53	48	44	48	44	41		43	40	38		39	37	35	33
9	62	53	47	43	59	50	45	41	46	42	39		41	38	36		37	35	33	32
10	59	50	44	40	56	47	42	39	43	39	36		39	36	34		36	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239634
5°	231486
10°	207160
15°	171113
20°	127008
25°	83509
30°	49906
35°	25297
40°	11786
45°	5094
50°	2072
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	8.9
10°-20°	91.6	19.0
20°-30°	70.6	14.6
30°-40°	28.4	5.9
40°-50°	6.5	1.3
50°-60°	1.2	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°	1.2	0.2
130°-140°	6.5	1.3
140°-150°	28.4	5.9
150°-160°	70.6	14.6
160°-170°	91.6	19.0
170°-180°	42.9	8.9
0°-30°	205.1	42.5
0°-40°	233.5	48.4
0°-60°	241.1	50.0
0°-90°	241.3	50.0
90°-120°	0.1	0.0
90°-150°	36.2	7.5
90°-180°	241.0	49.9
0°-180°	482.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	486	
5°	467	43
15°	335	92
25°	153	71
35°	42	28
45°	7	6
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°	7	6
145°	42	28
155°	153	71
165°	335	92
175°	467	43
180°	486	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	485.7
1°	483.8
2°	481.1
3°	477.4
4°	472.9
5°	467.4
6°	460.1
7°	451.0
8°	439.1
9°	426.3
10°	413.5
11°	398.0
12°	383.4
13°	367.0
14°	351.5
15°	335.0
16°	317.7
17°	299.4
18°	281.2
19°	262.0
20°	241.9
21°	221.8
22°	203.6
23°	186.2
24°	169.8
25°	153.4
26°	137.8
27°	125.1
28°	111.4
29°	98.6
30°	87.6
32.5°	62.1
35°	42.0
37.5°	29.2
40°	18.3
42.5°	11.9
45°	7.3
47.5°	4.6
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
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°	0.9
122.5°	0.9
125°	0.9
127.5°	1.8
130°	2.7
132.5°	4.6
135°	7.3
137.5°	11.9
140°	18.3
142.5°	29.2
145°	42.0
147.5°	62.1
150°	87.6
151°	98.6
152°	111.4
153°	125.1
154°	137.8
155°	153.4
156°	169.8
157°	186.2
158°	203.6
159°	221.8
160°	241.9
161°	262.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	281.2
163°	299.4
164°	317.7
165°	335.0
166°	351.5
167°	367.0
168°	383.4
169°	398.0
170°	413.5
171°	426.3
172°	439.1
173°	451.0
174°	460.1
175°	467.4
176°	472.9
177°	477.4
178°	481.1
179°	483.8
180°	485.7

(END OF REPORT)