

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: P277775

Luminaire Tested: **203-SS-8LED3036-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277775
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-35)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3036-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

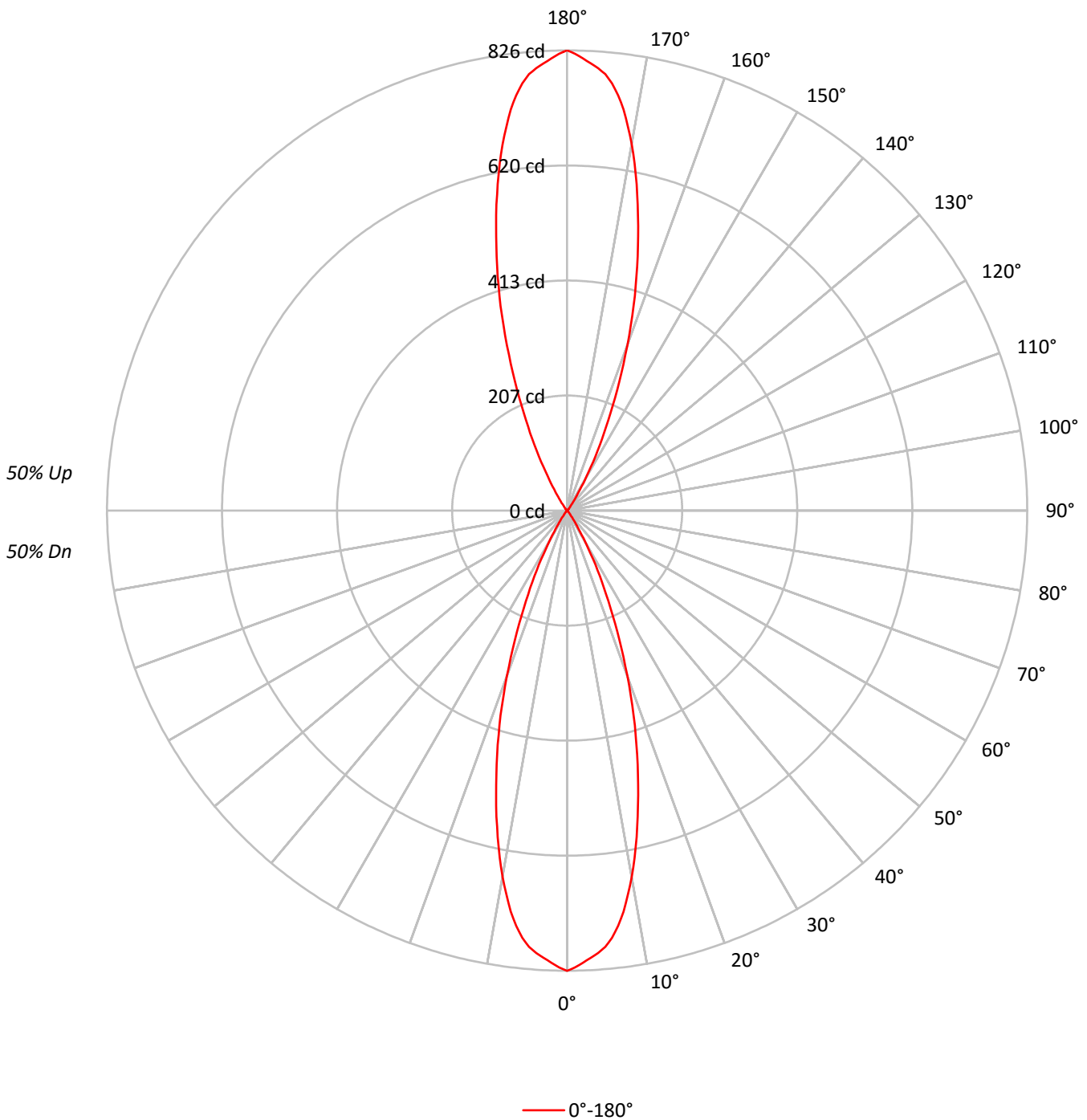
Lumens per Lamp: N/A
Luminaire Lumens: 599.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.56
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	101	97	95	92	93	90	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67		62	60	59		52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62		58	56	55		50	49	48	44
4	84	76	70	66	78	72	67	63	63	60	57		55	53	51		48	47	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	66	60	56	70	63	58	54	56	52	50		50	48	45		45	43	41	39
7	71	62	56	52	67	59	54	50	53	50	47		48	45	43		43	41	40	37
8	68	59	53	49	64	56	51	47	51	47	44		46	43	41		41	39	38	36
9	65	55	50	46	61	53	48	45	48	45	42		44	41	39		40	38	37	35
10	62	53	47	43	58	50	45	42	46	42	40		42	39	37		39	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	407630
5°	389426
10°	334411
15°	250846
20°	165704
25°	90259
30°	36347
35°	10661
40°	3993
45°	1884
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	11.9
10°-20°	134.1	22.4
20°-30°	77.0	12.9
30°-40°	14.2	2.4
40°-50°	2.2	0.4
50°-60°	0.7	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°	0.7	0.1
130°-140°	2.2	0.4
140°-150°	14.2	2.4
150°-160°	77.0	12.9
160°-170°	134.1	22.4
170°-180°	71.3	11.9
0°-30°	282.4	47.1
0°-40°	296.6	49.5
0°-60°	299.5	50.0
0°-90°	299.5	50.0
90°-120°	0.0	0.0
90°-150°	17.1	2.9
90°-180°	299.0	49.9
0°-180°	599.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	826	
5°	786	71
15°	491	134
25°	166	77
35°	18	14
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°	18	14
155°	166	77
165°	491	134
175°	786	71
180°	826	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	826.2
1°	820.0
2°	812.0
3°	804.1
4°	796.1
5°	786.3
6°	771.3
7°	750.9
8°	726.9
9°	697.7
10°	667.5
11°	634.7
12°	599.3
13°	563.8
14°	526.6
15°	491.1
16°	455.7
17°	421.1
18°	386.5
19°	351.1
20°	315.6
21°	281.9
22°	250.9
23°	219.9
24°	191.5
25°	165.8
26°	142.7
27°	120.6
28°	99.3
29°	79.8
30°	63.8
32.5°	31.9
35°	17.7
37.5°	9.8
40°	6.2
42.5°	3.5
45°	2.7
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
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°	0.9
125°	0.9
127.5°	0.9
130°	0.9
132.5°	1.8
135°	2.7
137.5°	3.5
140°	6.2
142.5°	9.8
145°	17.7
147.5°	31.9
150°	63.8
151°	79.8
152°	99.3
153°	120.6
154°	142.7
155°	165.8
156°	191.5
157°	219.9
158°	250.9
159°	281.9
160°	315.6
161°	351.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	386.5
163°	421.1
164°	455.7
165°	491.1
166°	526.6
167°	563.8
168°	599.3
169°	634.7
170°	667.5
171°	697.7
172°	726.9
173°	750.9
174°	771.3
175°	786.3
176°	796.1
177°	804.1
178°	812.0
179°	820.0
180°	826.2

(END OF REPORT)