

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: P277779

Luminaire Tested: **203-SS-8LED3036-12-CS-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277779
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)
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-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

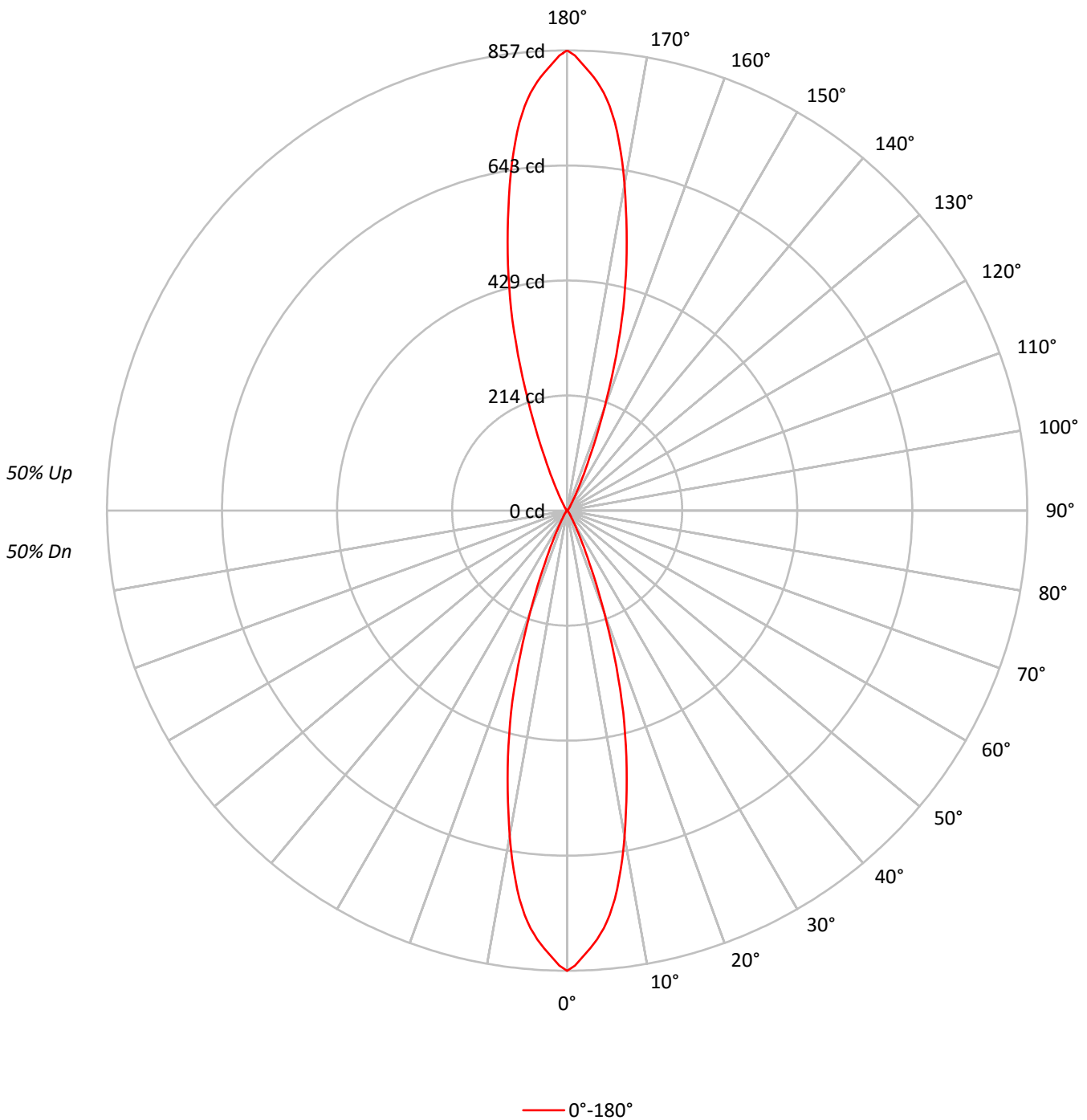
Lumens per Lamp: N/A
Luminaire Lumens: 446.5 lumens
Efficiency: N/A
Efficacy: 29.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.2
Input Voltage (V): NR
Input Current (Ain): 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



TEST NUMBER: P277779
CATALOG NUMBER: 203-SS-8LED3036-12-CS-LVR

Luminous Intensity Polar Plot





TEST NUMBER: P277779

CATALOG NUMBER: 203-SS-8LED3036-12-CS-LVR

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	42	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°	422925
5°	386801
10°	308660
15°	210085
20°	105166
25°	36202
30°	11109
35°	5361
40°	2834
45°	1884
50°	691
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P277779

CATALOG NUMBER: 203-SS-8LED3036-12-CS-LVR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	15.5
10°-20°	109.5	24.5
20°-30°	35.0	7.8
30°-40°	6.0	1.3
40°-50°	2.0	0.5
50°-60°	0.8	0.2
60°-70°	0.6	0.1
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°	0.6	0.1
120°-130°	0.8	0.2
130°-140°	2.0	0.5
140°-150°	6.0	1.3
150°-160°	35.0	7.8
160°-170°	109.5	24.5
170°-180°	69.3	15.5
0°-30°	213.8	47.9
0°-40°	219.9	49.2
0°-60°	222.7	49.9
0°-90°	223.3	50.0
90°-120°	0.6	0.1
90°-150°	9.4	2.1
90°-180°	223.0	49.9
0°-180°	446.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	857	
5°	781	69
15°	411	110
25°	66	35
35°	9	6
45°	3	2
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	1	1
135°	3	2
145°	9	6
155°	66	35
165°	411	110
175°	781	69
180°	857	



TEST NUMBER: P277779

CATALOG NUMBER: 203-SS-8LED3036-12-CS-LVR

CANDELA DISTRIBUTION (FULL):

0°	
0°	857.2
1°	847.5
2°	831.5
3°	816.5
4°	800.5
5°	781.0
6°	757.1
7°	728.7
8°	694.1
9°	656.9
10°	616.1
11°	573.6
12°	532.8
13°	492.0
14°	451.2
15°	411.3
16°	369.7
17°	325.3
18°	282.8
19°	240.2
20°	200.3
21°	164.9
22°	133.0
23°	106.4
24°	84.2
25°	66.5
26°	50.5
27°	39.9
28°	31.0
29°	23.9
30°	19.5
32.5°	12.4
35°	8.9
37.5°	6.2
40°	4.4
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°	0.9
62.5°	0.9
65°	0.0



TEST NUMBER: P277779

CATALOG NUMBER: 203-SS-8LED3036-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
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°	0.9
115°	0.0
117.5°	0.9
120°	0.9
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°	4.4
142.5°	6.2
145°	8.9
147.5°	12.4
150°	19.5
151°	23.9
152°	31.0
153°	39.9
154°	50.5
155°	66.5
156°	84.2
157°	106.4
158°	133.0
159°	164.9
160°	200.3
161°	240.2



TEST NUMBER: P277779

CATALOG NUMBER: 203-SS-8LED3036-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	0°
162°	282.8
163°	325.3
164°	369.7
165°	411.3
166°	451.2
167°	492.0
168°	532.8
169°	573.6
170°	616.1
171°	656.9
172°	694.1
173°	728.7
174°	757.1
175°	781.0
176°	800.5
177°	816.5
178°	831.5
179°	847.5
180°	857.2

(END OF REPORT)