

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: P277769

Luminaire Tested: **203-SS-8LED3025-12-CS-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277769
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3025-12-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

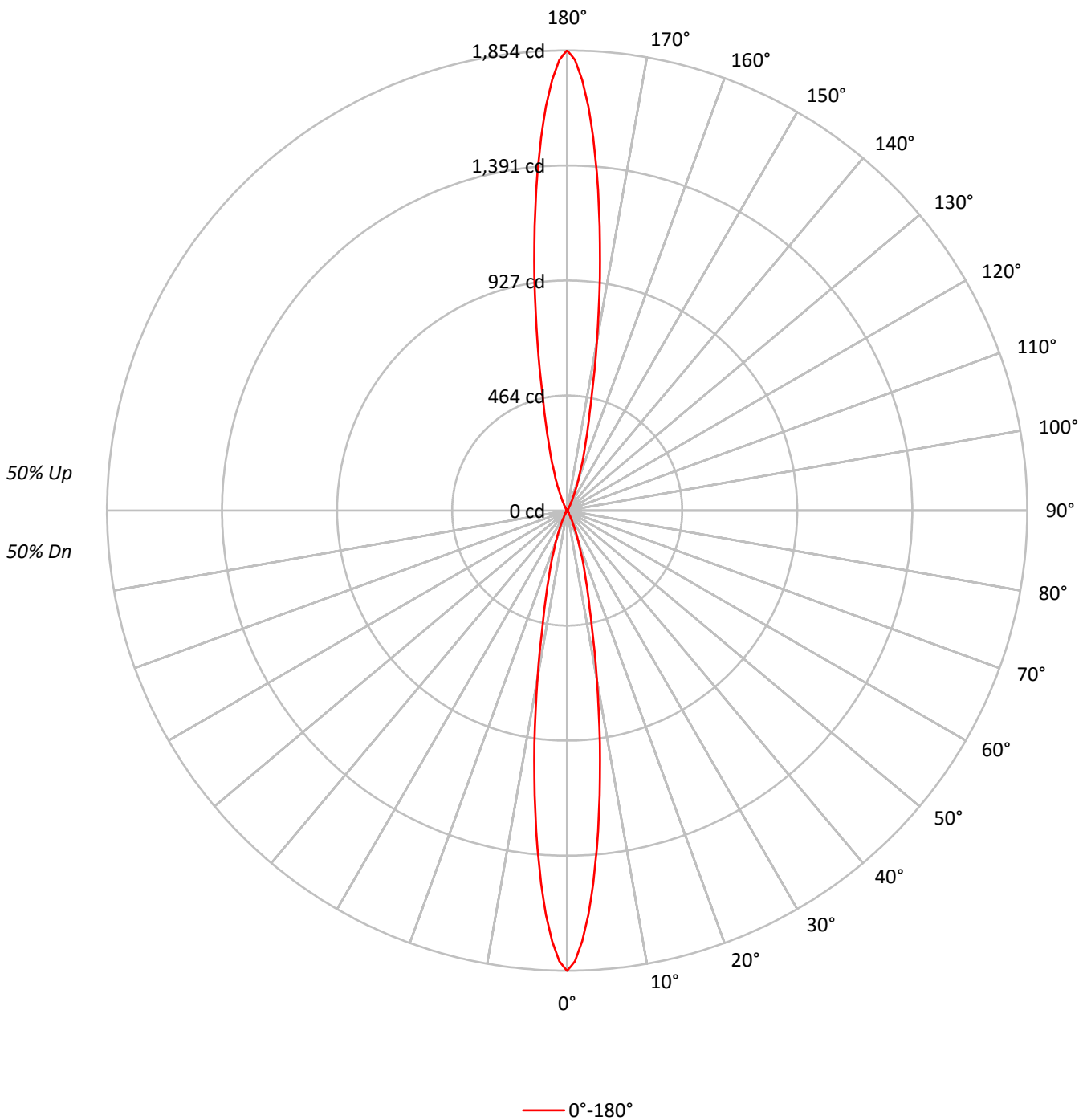
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 31.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 14.4
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



TEST NUMBER: P277769
CATALOG NUMBER: 203-SS-8LED3025-12-CS-LVR

Luminous Intensity Polar Plot





TEST NUMBER: P277769

CATALOG NUMBER: 203-SS-8LED3025-12-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	93	93	91	89	87	78	76	75	66	65	64	55	54	54	49				
2	95	90	86	83	89	84	81	78	73	71	69	63	61	60	53	52	52	47				
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46				
4	86	78	73	69	80	74	69	66	66	62	60	58	56	54	51	49	48	45				
5	82	74	68	64	77	70	65	62	62	59	57	56	53	52	49	48	47	44				
6	78	70	64	60	73	66	61	58	60	56	54	54	51	50	48	47	46	43				
7	75	66	61	57	70	63	58	55	57	54	51	52	50	48	47	45	44	42				
8	72	63	58	54	68	60	56	52	55	52	49	50	48	46	46	44	43	41				
9	69	60	55	52	65	58	53	50	53	50	48	49	47	45	45	43	42	41				
10	66	58	53	49	63	56	51	48	52	48	46	48	45	44	44	42	41	40				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	914972
5°	677472
10°	345082
15°	150324
20°	68413
25°	25586
30°	7577
35°	3734
40°	2254
45°	1256
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P277769

CATALOG NUMBER: 203-SS-8LED3025-12-CS-LVR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	24.1
10°-20°	86.1	19.2
20°-30°	24.0	5.3
30°-40°	4.4	1.0
40°-50°	1.4	0.3
50°-60°	0.5	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°	0.5	0.1
130°-140°	1.4	0.3
140°-150°	4.4	1.0
150°-160°	24.0	5.3
160°-170°	86.1	19.2
170°-180°	108.1	24.1
0°-30°	218.2	48.6
0°-40°	222.6	49.6
0°-60°	224.5	50.0
0°-90°	224.5	50.0
90°-120°	0.0	0.0
90°-150°	6.3	1.4
90°-180°	225.0	50.1
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1854	
5°	1368	108
15°	294	86
25°	47	24
35°	6	4
45°	2	1
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	0
135°	2	1
145°	6	4
155°	47	24
165°	294	86
175°	1368	108
180°	1854	



TEST NUMBER: P277769

CATALOG NUMBER: 203-SS-8LED3025-12-CS-LVR

CANDELA DISTRIBUTION (FULL):

0°	
0°	1854.5
1°	1815.5
2°	1735.8
3°	1631.1
4°	1505.3
5°	1367.9
6°	1225.1
7°	1084.2
8°	945.9
9°	812.0
10°	688.8
11°	576.2
12°	482.3
13°	405.1
14°	343.1
15°	294.3
16°	252.7
17°	216.3
18°	183.5
19°	155.1
20°	130.3
22.5°	79.8
25°	47.0
26°	35.5
27°	28.4
28°	21.3
29°	16.8
30°	13.3
32.5°	9.8
35°	6.2
37.5°	4.4
40°	3.5
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P277769

CATALOG NUMBER: 203-SS-8LED3025-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	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°	0.9
127.5°	0.9
130°	0.9
132.5°	0.9
135°	1.8
137.5°	2.7
140°	3.5
142.5°	4.4
145°	6.2
147.5°	9.8
150°	13.3
151°	16.8
152°	21.3
153°	28.4
154°	35.5
155°	47.0
157.5°	79.8
160°	130.3
161°	155.1
162°	183.5
163°	216.3
164°	252.7
165°	294.3
166°	343.1
167°	405.1



TEST NUMBER: P277769

CATALOG NUMBER: 203-SS-8LED3025-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	0°
168°	482.3
169°	576.2
170°	688.8
171°	812.0
172°	945.9
173°	1084.2
174°	1225.1
175°	1367.9
176°	1505.3
177°	1631.1
178°	1735.8
179°	1815.5
180°	1854.5

(END OF REPORT)