

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: P277791

Luminaire Tested: **203-SS-8LED4025-12-BK**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: P277791
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-5)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED4025-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK
Light Source: (1) SORAA 4000K 95 CRI 25°NFL LED SM16-07-25D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 748.4 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.33
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

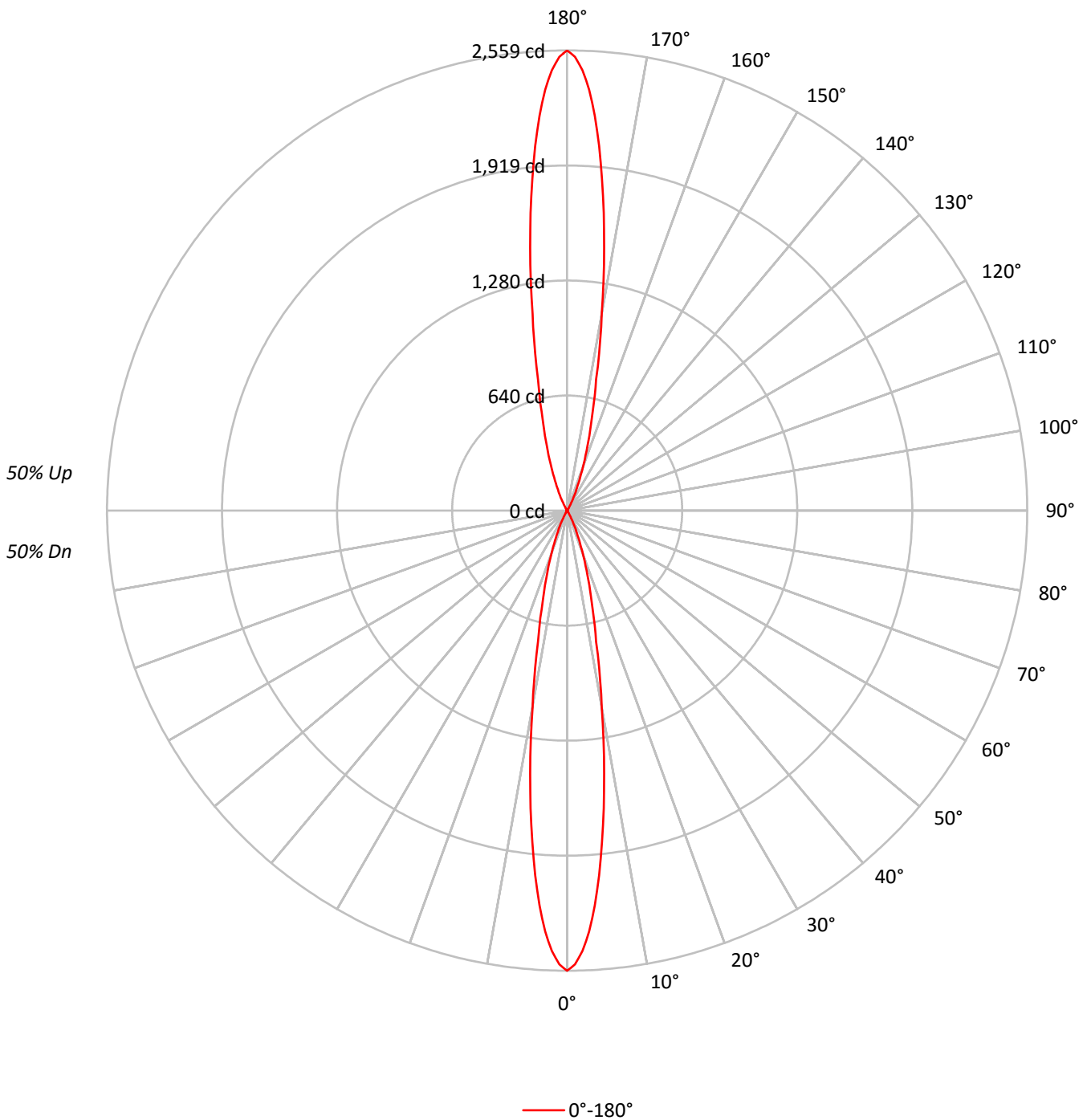
Input Watts (W): 15.8
Input Voltage (V): 12.0
Input Current (Ain): 0.693
Voltage Rise (V): NR
Power Factor: 0.9491
Total Harmonic Distortion (THDi): 26.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 9 HR
Ambient Temperature (°C): 25.1
Test Distance: 25 FT



TEST NUMBER: P277791

CATALOG NUMBER: 203-SS-8LED4025-12-BK

Luminous Intensity Polar Plot





TEST NUMBER: P277791

CATALOG NUMBER: 203-SS-8LED4025-12-BK

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	88	84	81	78	73	71	69	63	61	60	53	52	52	47				
3	90	84	79	75	84	79	74	71	69	66	64	60	58	56	52	51	50	46				
4	86	78	73	69	80	74	69	66	65	62	59	57	55	54	50	49	48	45				
5	81	73	68	64	76	69	65	61	62	59	56	55	53	51	49	47	46	44				
6	78	69	64	60	73	66	61	57	59	56	53	53	51	49	48	46	45	43				
7	74	66	60	56	70	63	58	54	57	53	51	51	49	47	46	45	44	42				
8	71	62	57	53	67	60	55	52	55	51	49	50	47	46	45	44	43	41				
9	68	60	54	51	65	57	53	49	53	49	47	48	46	44	44	43	41	40				
10	66	57	52	49	62	55	50	47	51	47	45	47	44	43	43	42	40	39				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1262558
5°	1007863
10°	556100
15°	268672
20°	131786
25°	55527
30°	12534
35°	4818
40°	2576
45°	1395
50°	768
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P277791

CATALOG NUMBER: 203-SS-8LED4025-12-BK

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	21.8
10°-20°	153.0	20.4
20°-30°	49.2	6.6
30°-40°	5.9	0.8
40°-50°	1.6	0.2
50°-60°	0.9	0.1
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°	0.9	0.1
130°-140°	1.6	0.2
140°-150°	5.9	0.8
150°-160°	49.2	6.6
160°-170°	153.0	20.4
170°-180°	163.5	21.8
0°-30°	365.7	48.9
0°-40°	371.6	49.6
0°-60°	374.1	50.0
0°-90°	374.2	50.0
90°-120°	0.1	0.0
90°-150°	8.5	1.1
90°-180°	374.0	50.0
0°-180°	748.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2559	
5°	2035	163
15°	526	153
25°	102	49
35°	8	6
45°	2	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°	2	2
145°	8	6
155°	102	49
165°	526	153
175°	2035	163
180°	2559	



TEST NUMBER: P277791

CATALOG NUMBER: 203-SS-8LED4025-12-BK

CANDELA DISTRIBUTION (FULL):

0°	
0°	2559
1°	2524
2°	2450
3°	2343
4°	2201
5°	2035
6°	1855
7°	1669
8°	1478
9°	1290
10°	1110
12.5°	746
15°	526
17.5°	373
20°	251
22.5°	162
25°	102
27.5°	51
30°	22
32.5°	13
35°	8
37.5°	5
40°	4
42.5°	3
45°	2
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0

TEST NUMBER: P277791

CATALOG NUMBER: 203-SS-8LED4025-12-BK

CANDELA DISTRIBUTION (continued):

	0°
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	0
117.5°	0
120°	1
122.5°	1
125°	1
127.5°	1
130°	1
132.5°	1
135°	2
137.5°	3
140°	4
142.5°	5
145°	8
147.5°	13
150°	22
152.5°	51
155°	102
157.5°	162
160°	251
162.5°	373
165°	526
167.5°	746
170°	1110
171°	1290
172°	1478
173°	1669
174°	1855
175°	2035
176°	2201
177°	2343
178°	2450
179°	2524
180°	2559

(END OF REPORT)