

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: P277767

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277767
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-40)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

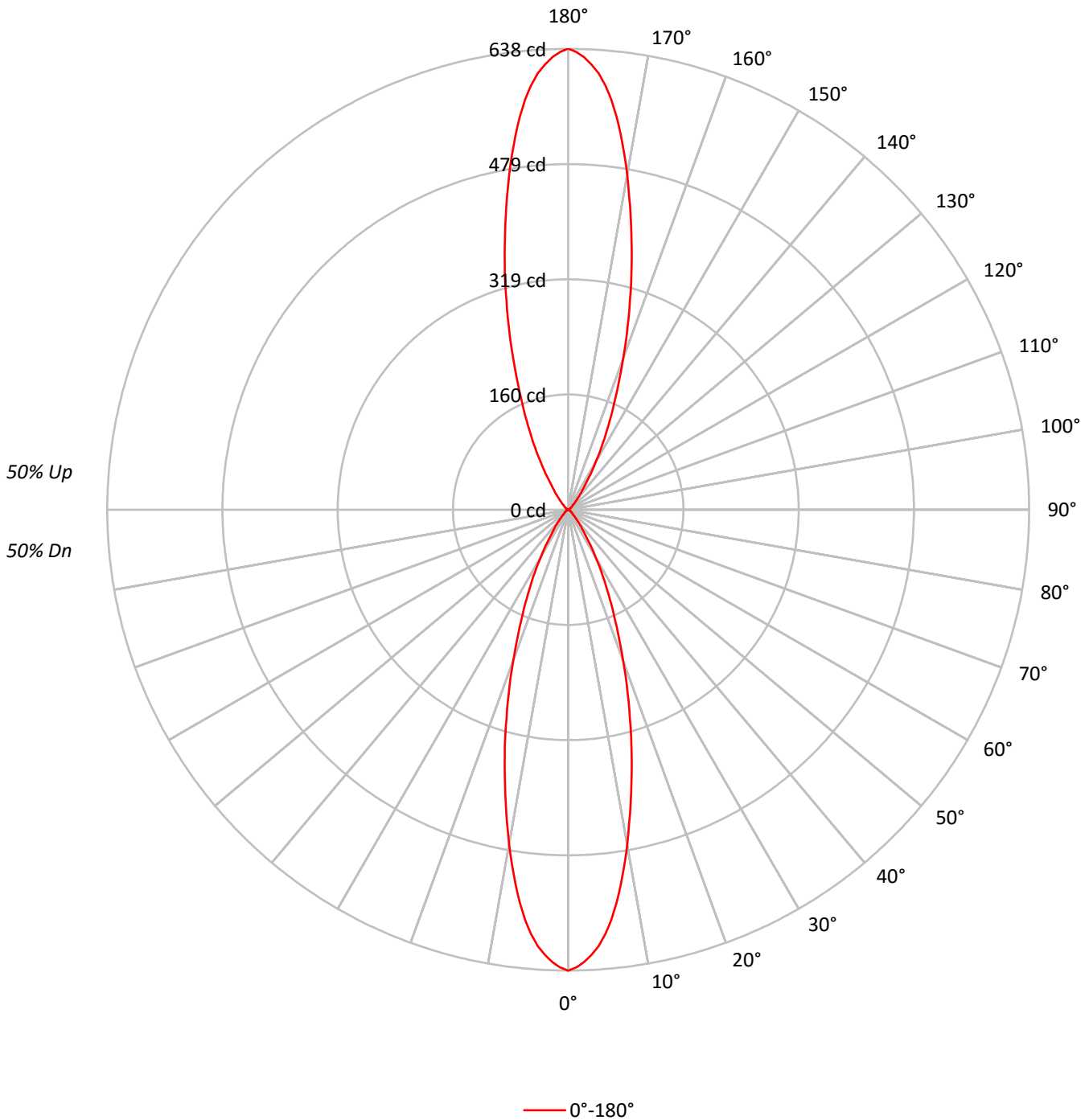
Lumens per Lamp: N/A
Luminaire Lumens: 499.0 lumens
Efficiency: N/A
Efficacy: 32.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.6
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



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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	85	77	75	74		65	64	63		54	53	52	47
2	94	88	84	80	87	82	79	75	71	68	66		61	59	57		51	50	49	45
3	88	81	75	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		44	42	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	63	53	47	43	59	50	45	42	46	42	39		41	38	36		37	35	34	32
10	60	50	44	40	56	48	43	39	44	40	37		40	37	34		36	34	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	314924
5°	291958
10°	235816
15°	172951
20°	116822
25°	74308
30°	43412
35°	22948
40°	12559
45°	6838
50°	4759
55°	3785
60°	2664
65°	2101
70°	1298
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	10.5
10°-20°	92.8	18.6
20°-30°	63.1	12.6
30°-40°	25.6	5.1
40°-50°	8.5	1.7
50°-60°	3.9	0.8
60°-70°	2.0	0.4
70°-80°	1.0	0.2
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	1.0	0.2
110°-120°	2.0	0.4
120°-130°	3.9	0.8
130°-140°	8.5	1.7
140°-150°	25.6	5.1
150°-160°	63.1	12.6
160°-170°	92.8	18.6
170°-180°	52.4	10.5
0°-30°	208.3	41.7
0°-40°	233.9	46.9
0°-60°	246.4	49.4
0°-90°	249.5	50.0
90°-120°	3.1	0.6
90°-150°	41.2	8.3
90°-180°	249.0	49.9
0°-180°	499.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	638	
5°	590	52
15°	339	93
25°	136	63
35°	38	26
45°	10	9
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	4	4
135°	10	9
145°	38	26
155°	136	63
165°	339	93
175°	590	52
180°	638	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	638.3
1°	633.8
2°	626.8
3°	617.0
4°	605.5
5°	589.5
6°	570.9
7°	548.7
8°	523.9
9°	497.3
10°	470.7
11°	442.4
12°	415.8
13°	389.2
14°	363.5
15°	338.6
16°	312.9
17°	289.0
18°	265.9
19°	244.7
20°	222.5
21°	202.1
22°	184.4
23°	166.7
24°	150.7
25°	136.5
26°	122.3
27°	109.9
28°	98.4
29°	86.9
30°	76.2
32.5°	54.1
35°	38.1
37.5°	27.5
40°	19.5
42.5°	14.2
45°	9.8
47.5°	8.0
50°	6.2
52.5°	5.3
55°	4.4
57.5°	3.5
60°	2.7
62.5°	2.7
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
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°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	0.9
112.5°	1.8
115°	1.8
117.5°	2.7
120°	2.7
122.5°	3.5
125°	4.4
127.5°	5.3
130°	6.2
132.5°	8.0
135°	9.8
137.5°	14.2
140°	19.5
142.5°	27.5
145°	38.1
147.5°	54.1
150°	76.2
151°	86.9
152°	98.4
153°	109.9
154°	122.3
155°	136.5
156°	150.7
157°	166.7
158°	184.4
159°	202.1
160°	222.5
161°	244.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	265.9
163°	289.0
164°	312.9
165°	338.6
166°	363.5
167°	389.2
168°	415.8
169°	442.4
170°	470.7
171°	497.3
172°	523.9
173°	548.7
174°	570.9
175°	589.5
176°	605.5
177°	617.0
178°	626.8
179°	633.8
180°	638.3

(END OF REPORT)