

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: P277731

Luminaire Tested: **203-SS-8LED2725-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277731
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2725-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK
Light Source: (1) SORAA 2700K 95 CRI 25°NFL LED SM16-07-25D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 683.2 lumens
Efficiency: N/A
Efficacy: 43.2 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

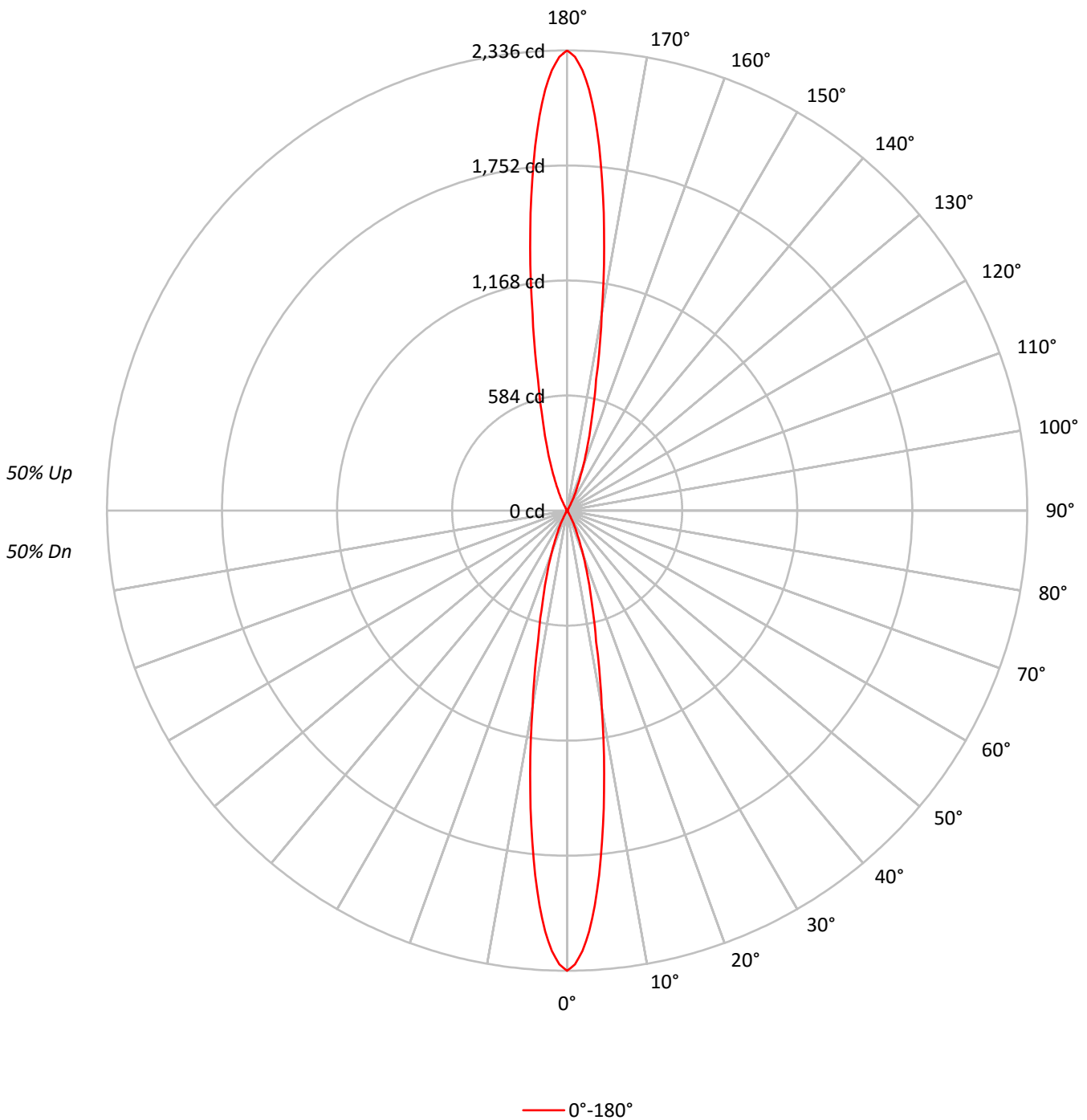
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1152584
5°	920052
10°	507654
15°	245279
20°	120287
25°	50682
30°	11451
35°	4397
40°	2383
45°	1256
50°	691
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	21.8
10°-20°	139.7	20.4
20°-30°	44.9	6.6
30°-40°	5.4	0.8
40°-50°	1.5	0.2
50°-60°	0.8	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°	0.8	0.1
130°-140°	1.5	0.2
140°-150°	5.4	0.8
150°-160°	44.9	6.6
160°-170°	139.7	20.4
170°-180°	149.2	21.8
0°-30°	333.8	48.9
0°-40°	339.2	49.7
0°-60°	341.5	50.0
0°-90°	341.6	50.0
90°-120°	0.1	0.0
90°-150°	7.8	1.1
90°-180°	342.0	50.1
0°-180°	683.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2336	
5°	1858	149
15°	480	140
25°	93	45
35°	7	5
45°	2	1
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	1
145°	7	5
155°	93	45
165°	480	140
175°	1858	149
180°	2336	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2336.1
1°	2304.1
2°	2236.6
3°	2138.9
4°	2009.3
5°	1857.7
6°	1693.4
7°	1523.6
8°	1349.2
9°	1177.6
10°	1013.3
12.5°	681.0
15°	480.2
17.5°	340.5
20°	229.1
22.5°	147.9
25°	93.1
27.5°	46.6
30°	20.1
32.5°	11.9
35°	7.3
37.5°	4.6
40°	3.7
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0
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

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CANDELA DISTRIBUTION (continued):

	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°	0.9
122.5°	0.9
125°	0.9
127.5°	0.9
130°	0.9
132.5°	0.9
135°	1.8
137.5°	2.7
140°	3.7
142.5°	4.6
145°	7.3
147.5°	11.9
150°	20.1
152.5°	46.6
155°	93.1
157.5°	147.9
160°	229.1
162.5°	340.5
165°	480.2
167.5°	681.0
170°	1013.3
171°	1177.6
172°	1349.2
173°	1523.6
174°	1693.4
175°	1857.7
176°	2009.3
177°	2138.9
178°	2236.6
179°	2304.1
180°	2336.1

(END OF REPORT)