

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: P277734

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P277734  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-30)  
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-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 2700K 95 CRI LED  
SM16-07-25D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

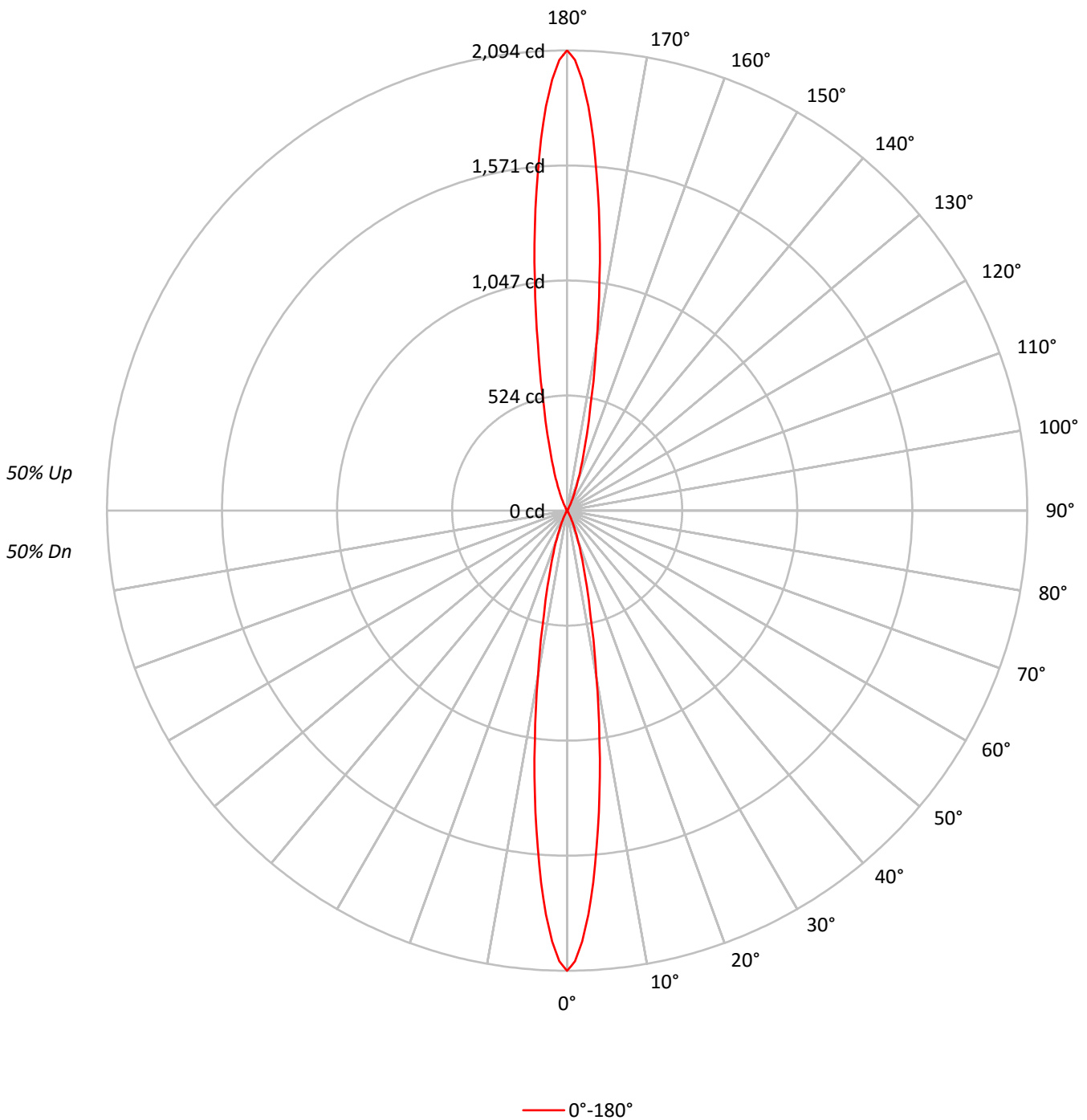
Lumens per Lamp: N/A  
Luminaire Lumens: 497.3 lumens  
Efficiency: N/A  
Efficacy: 31.1 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 16  
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	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	53	52	48				
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46				
4	86	79	73	69	80	74	70	66	66	63	60	58	56	54	51	49	48	45				
5	82	74	68	64	77	70	65	62	63	59	57	56	54	52	49	48	47	44				
6	78	70	64	60	73	66	62	58	60	57	54	54	52	50	48	47	46	43				
7	75	66	61	57	70	63	59	55	58	54	52	52	50	48	47	46	45	43				
8	72	63	58	54	68	61	56	53	55	52	50	51	48	47	46	45	44	42				
9	69	61	55	52	65	58	54	51	54	50	48	49	47	45	45	44	43	41				
10	67	58	53	50	63	56	52	49	52	49	46	48	46	44	44	43	42	40				

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1033235
5°	760924
10°	384160
15°	164575
20°	72876
25°	26838
30°	7805
35°	3313
40°	1739
45°	1256
50°	691
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.5	24.4
10°-20°	96.1	19.3
20°-30°	25.9	5.2
30°-40°	3.9	0.8
40°-50°	1.2	0.2
50°-60°	0.1	0.0
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°	0.1	0.0
130°-140°	1.2	0.2
140°-150°	3.9	0.8
150°-160°	25.9	5.2
160°-170°	96.1	19.3
170°-180°	121.5	24.4
0°-30°	243.5	49.0
0°-40°	247.4	49.7
0°-60°	248.7	50.0
0°-90°	248.7	50.0
90°-120°	0.0	0.0
90°-150°	5.2	1.0
90°-180°	249.0	50.1
0°-180°	497.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2094	
5°	1536	121
15°	322	96
25°	49	26
35°	6	4
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	1
145°	6	4
155°	49	26
165°	322	96
175°	1536	121
180°	2094	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2094.2
1°	2051.3
2°	1961.8
3°	1842.2
4°	1697.1
5°	1536.4
6°	1381.2
7°	1220.5
8°	1058.0
9°	907.4
10°	766.8
12.5°	487.5
15°	322.2
17.5°	215.4
20°	138.8
22.5°	85.8
25°	49.3
27.5°	26.5
30°	13.7
32.5°	8.2
35°	5.5
37.5°	3.7
40°	2.7
42.5°	1.8
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.0
55°	0.0
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
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°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.9
132.5°	0.9
135°	1.8
137.5°	1.8
140°	2.7
142.5°	3.7
145°	5.5
147.5°	8.2
150°	13.7
152.5°	26.5
155°	49.3
157.5°	85.8
160°	138.8
162.5°	215.4
165°	322.2
167.5°	487.5
170°	766.8
171°	907.4
172°	1058.0
173°	1220.5
174°	1381.2
175°	1536.4
176°	1697.1
177°	1842.2
178°	1961.8
179°	2051.3
180°	2094.2

(END OF REPORT)