

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: P277725

Luminaire Tested: **203-SS-8LED2710-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277725
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-27)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2710-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

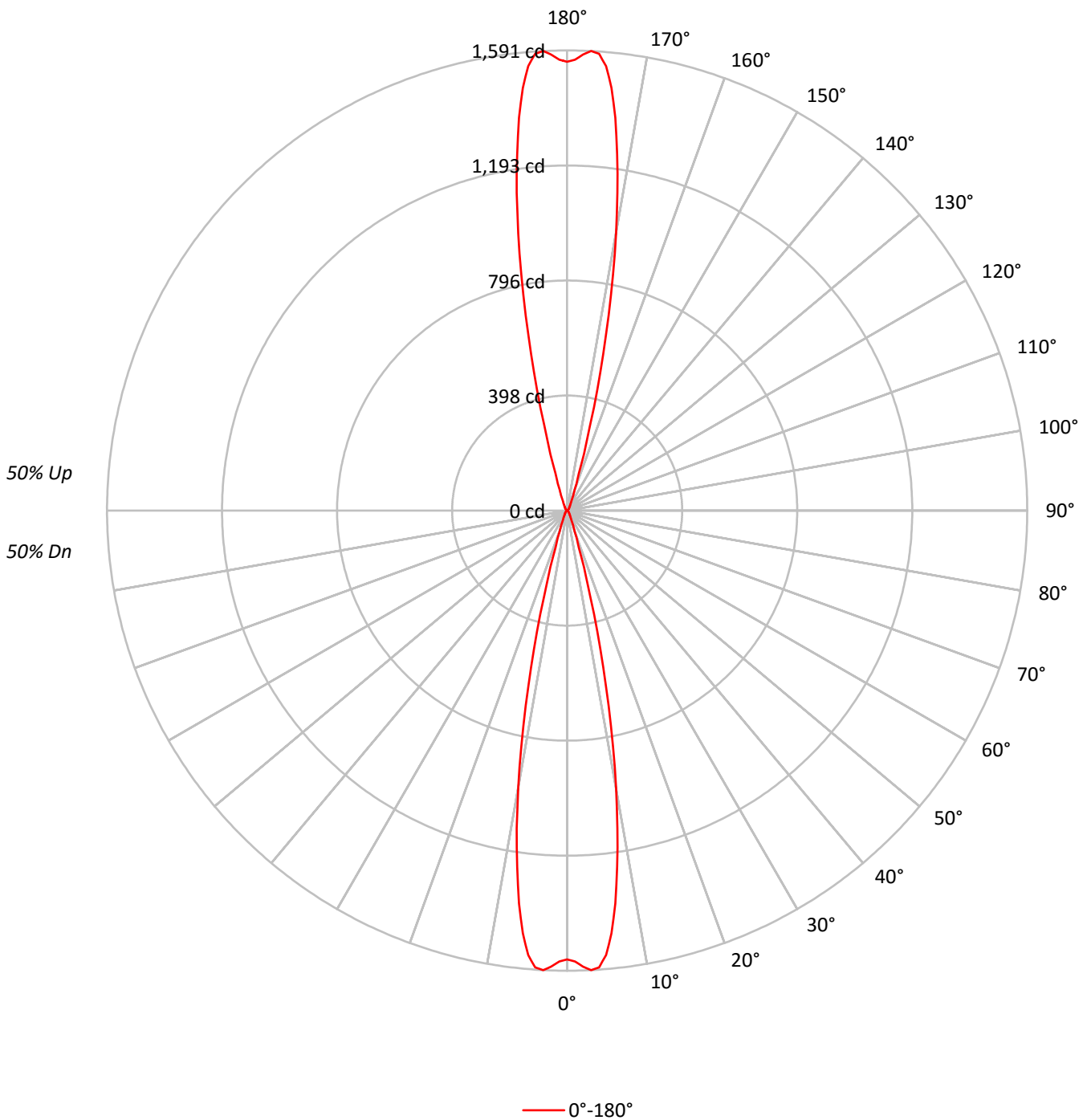
Lumens per Lamp: N/A
Luminaire Lumens: 521.6 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 16.1
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	57		52	51	50	46
4	86	78	73	69	80	74	69	66	65	62	60		58	55	54		50	49	48	45
5	81	73	68	64	76	70	65	61	62	59	56		55	53	51		49	48	46	44
6	78	69	64	60	73	66	61	58	59	56	53		53	51	49		48	46	45	43
7	74	66	60	56	70	63	58	55	57	54	51		52	49	47		47	45	44	42
8	71	63	57	54	67	60	55	52	55	51	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	44		45	43	42	40
10	66	58	52	49	63	55	51	48	51	48	46		47	45	43		44	42	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	765676
5°	764094
10°	487965
15°	156657
20°	39326
25°	17910
30°	11451
35°	8794
40°	6441
45°	5094
50°	3531
55°	2322
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	24.5
10°-20°	98.9	19.0
20°-30°	17.0	3.3
30°-40°	9.0	1.7
40°-50°	5.6	1.1
50°-60°	2.4	0.5
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°	2.4	0.5
130°-140°	5.6	1.1
140°-150°	9.0	1.7
150°-160°	17.0	3.3
160°-170°	98.9	19.0
170°-180°	127.8	24.5
0°-30°	243.7	46.7
0°-40°	252.7	48.4
0°-60°	260.7	50.0
0°-90°	260.8	50.0
90°-120°	0.1	0.0
90°-150°	17.1	3.3
90°-180°	261.0	50.0
0°-180°	521.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1552	
5°	1543	128
15°	307	99
25°	33	17
35°	15	9
45°	7	6
55°	3	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	3	2
135°	7	6
145°	15	9
155°	33	17
165°	307	99
175°	1543	128
180°	1552	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1551.9
1°	1559.2
2°	1577.5
3°	1591.2
4°	1582.9
5°	1542.8
6°	1469.7
7°	1368.4
8°	1244.3
9°	1112.8
10°	974.0
12.5°	618.9
15°	306.7
17.5°	135.1
20°	74.9
22.5°	47.5
25°	32.9
27.5°	24.6
30°	20.1
32.5°	16.4
35°	14.6
37.5°	11.9
40°	10.0
42.5°	8.2
45°	7.3
47.5°	6.4
50°	4.6
52.5°	3.7
55°	2.7
57.5°	1.8
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°	1.8
125°	2.7
127.5°	3.7
130°	4.6
132.5°	6.4
135°	7.3
137.5°	8.2
140°	10.0
142.5°	11.9
145°	14.6
147.5°	16.4
150°	20.1
152.5°	24.6
155°	32.9
157.5°	47.5
160°	74.9
162.5°	135.1
165°	306.7
167.5°	618.9
170°	974.0
171°	1112.8
172°	1244.3
173°	1368.4
174°	1469.7
175°	1542.8
176°	1582.9
177°	1591.2
178°	1577.5
179°	1559.2
180°	1551.9

(END OF REPORT)