

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: P277755

Luminaire Tested: **203-SS-8LED3010-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277755
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-8LED3010-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

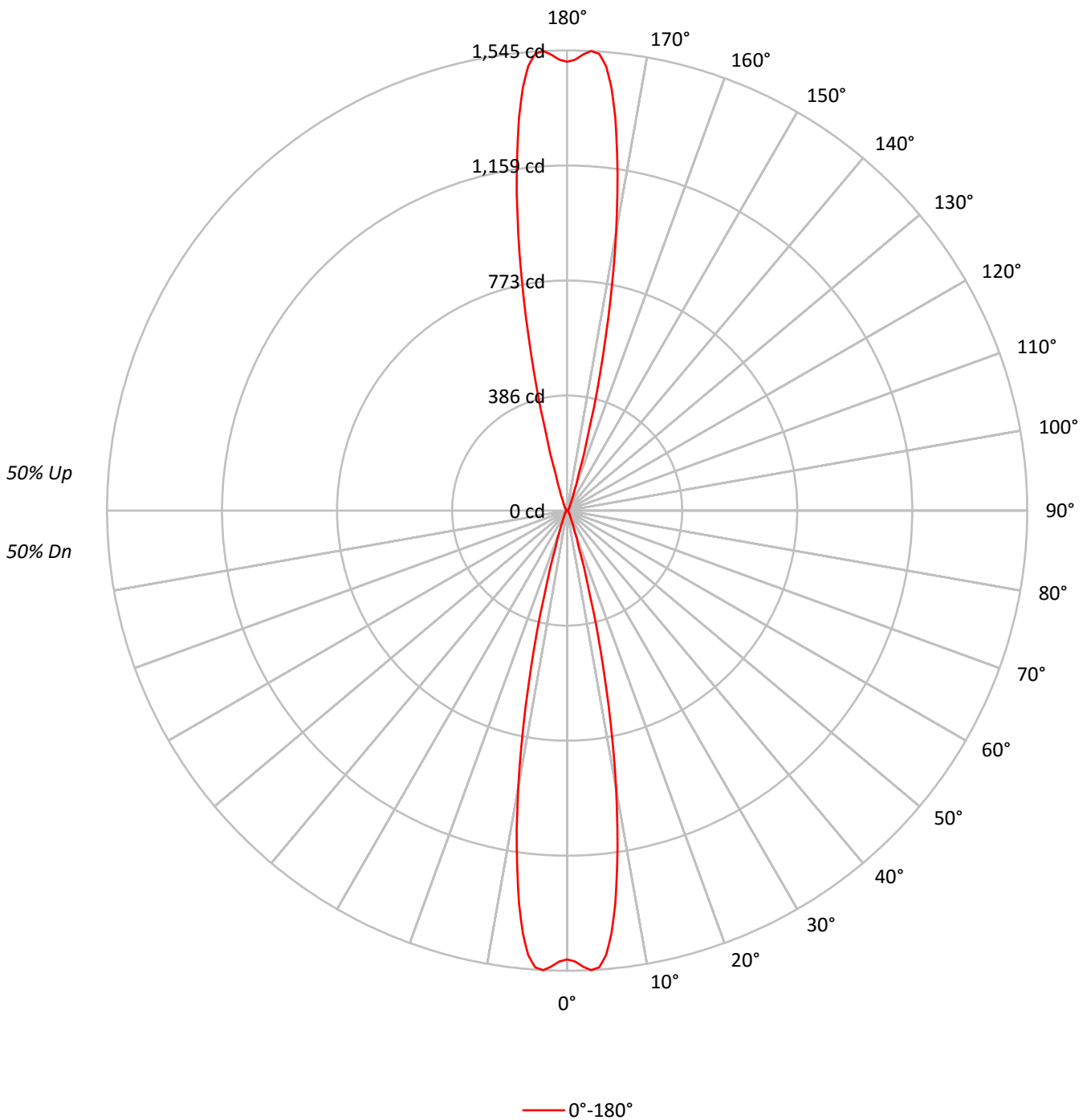
Lumens per Lamp: N/A
Luminaire Lumens: 506.6 lumens
Efficiency: N/A
Efficacy: 31.5 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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°	743523
5°	742005
10°	473887
15°	152163
20°	38171
25°	17366
30°	11109
35°	8553
40°	6312
45°	4954
50°	3377
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°	124.1	24.5
10°-20°	96.1	19.0
20°-30°	16.5	3.2
30°-40°	8.7	1.7
40°-50°	5.4	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°	5.4	1.1
140°-150°	8.7	1.7
150°-160°	16.5	3.2
160°-170°	96.1	19.0
170°-180°	124.1	24.5
0°-30°	236.6	46.7
0°-40°	245.4	48.4
0°-60°	253.2	50.0
0°-90°	253.3	50.0
90°-120°	0.1	0.0
90°-150°	16.7	3.3
90°-180°	253.0	49.9
0°-180°	506.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1507	
5°	1498	124
15°	298	96
25°	32	16
35°	14	9
45°	7	5
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	5
145°	14	9
155°	32	16
165°	298	96
175°	1498	124
180°	1507	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1507.0
1°	1514.1
2°	1531.9
3°	1545.2
4°	1537.2
5°	1498.2
6°	1427.3
7°	1328.9
8°	1208.3
9°	1080.6
10°	945.9
12.5°	601.0
15°	297.9
17.5°	131.2
20°	72.7
22.5°	46.1
25°	31.9
27.5°	23.9
30°	19.5
32.5°	16.0
35°	14.2
37.5°	11.5
40°	9.8
42.5°	8.0
45°	7.1
47.5°	6.2
50°	4.4
52.5°	3.5
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°	3.5
130°	4.4
132.5°	6.2
135°	7.1
137.5°	8.0
140°	9.8
142.5°	11.5
145°	14.2
147.5°	16.0
150°	19.5
152.5°	23.9
155°	31.9
157.5°	46.1
160°	72.7
162.5°	131.2
165°	297.9
167.5°	601.0
170°	945.9
171°	1080.6
172°	1208.3
173°	1328.9
174°	1427.3
175°	1498.2
176°	1537.2
177°	1545.2
178°	1531.9
179°	1514.1
180°	1507.0

(END OF REPORT)