

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: P246968

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246968
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

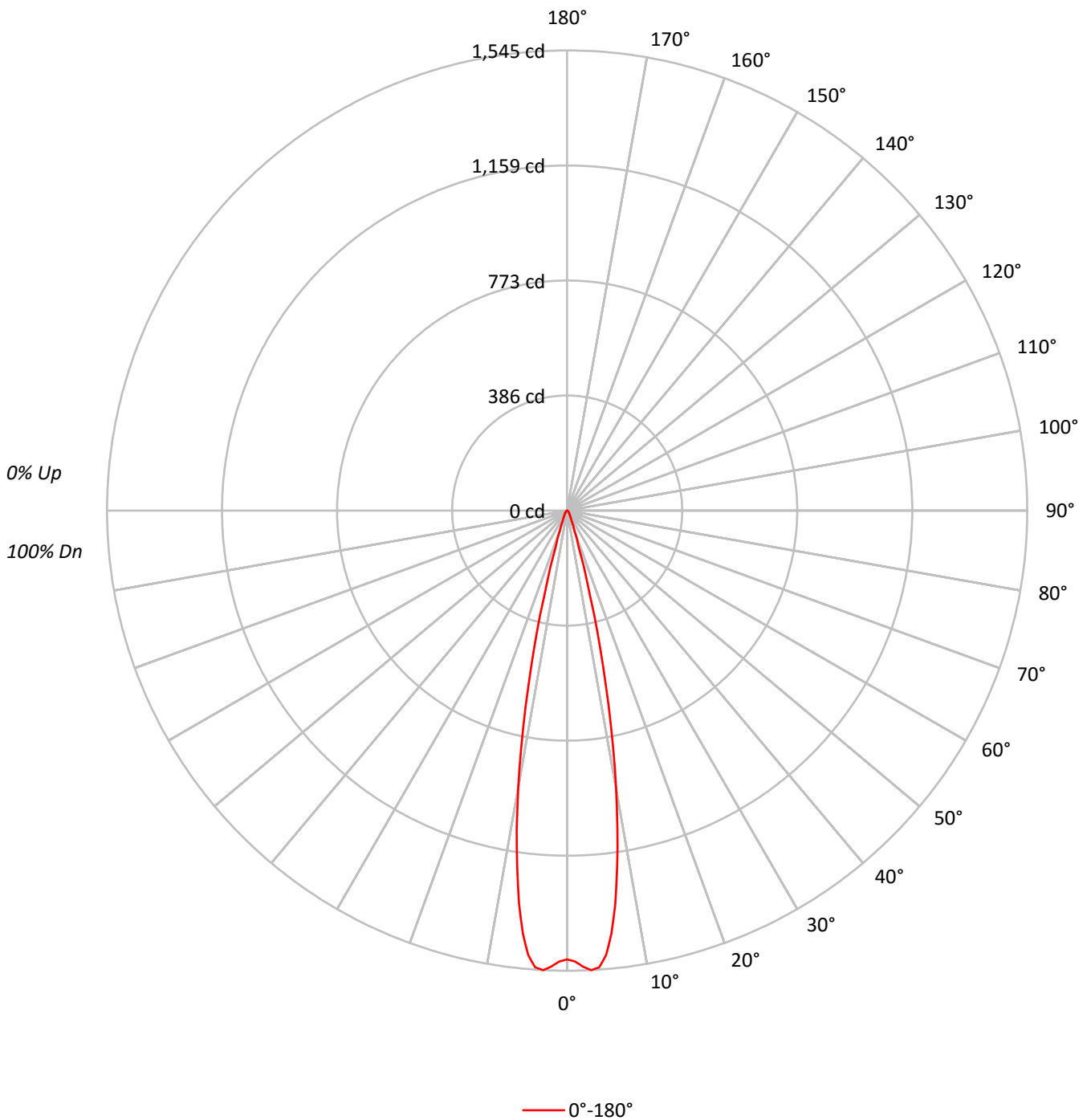
Lumens per Lamp: N/A
Luminaire Lumens: 253.3 lumens
Efficiency: N/A
Efficacy: 31.7 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	103	110	107	104	102	104	102	100		101	99	98		98	97	96	95
3	109	104	101	98	107	103	100	98	101	98	96		98	96	95		96	95	93	92
4	106	101	97	94	104	100	96	94	98	95	93		96	94	92		94	92	91	90
5	103	98	94	91	102	97	93	91	95	92	90		94	91	89		92	90	89	88
6	101	95	91	88	99	94	91	88	93	90	88		92	89	87		91	88	87	86
7	98	92	89	86	97	92	88	86	91	88	85		90	87	85		89	86	85	84
8	96	90	86	84	95	90	86	84	89	86	83		88	85	83		87	85	83	82
9	94	88	84	82	93	88	84	82	87	84	82		86	83	81		86	83	81	80
10	92	86	83	80	91	86	82	80	85	82	80		85	82	80		84	82	80	79

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	49.0
10°-20°	96.1	37.9
20°-30°	16.5	6.5
30°-40°	8.7	3.4
40°-50°	5.4	2.2
50°-60°	2.4	0.9
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°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	236.6	93.4
0°-40°	245.4	96.9
0°-60°	253.2	100.0
0°-90°	253.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	253.3	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	



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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

(END OF REPORT)