

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: P246972

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246972
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-39)
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-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, 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

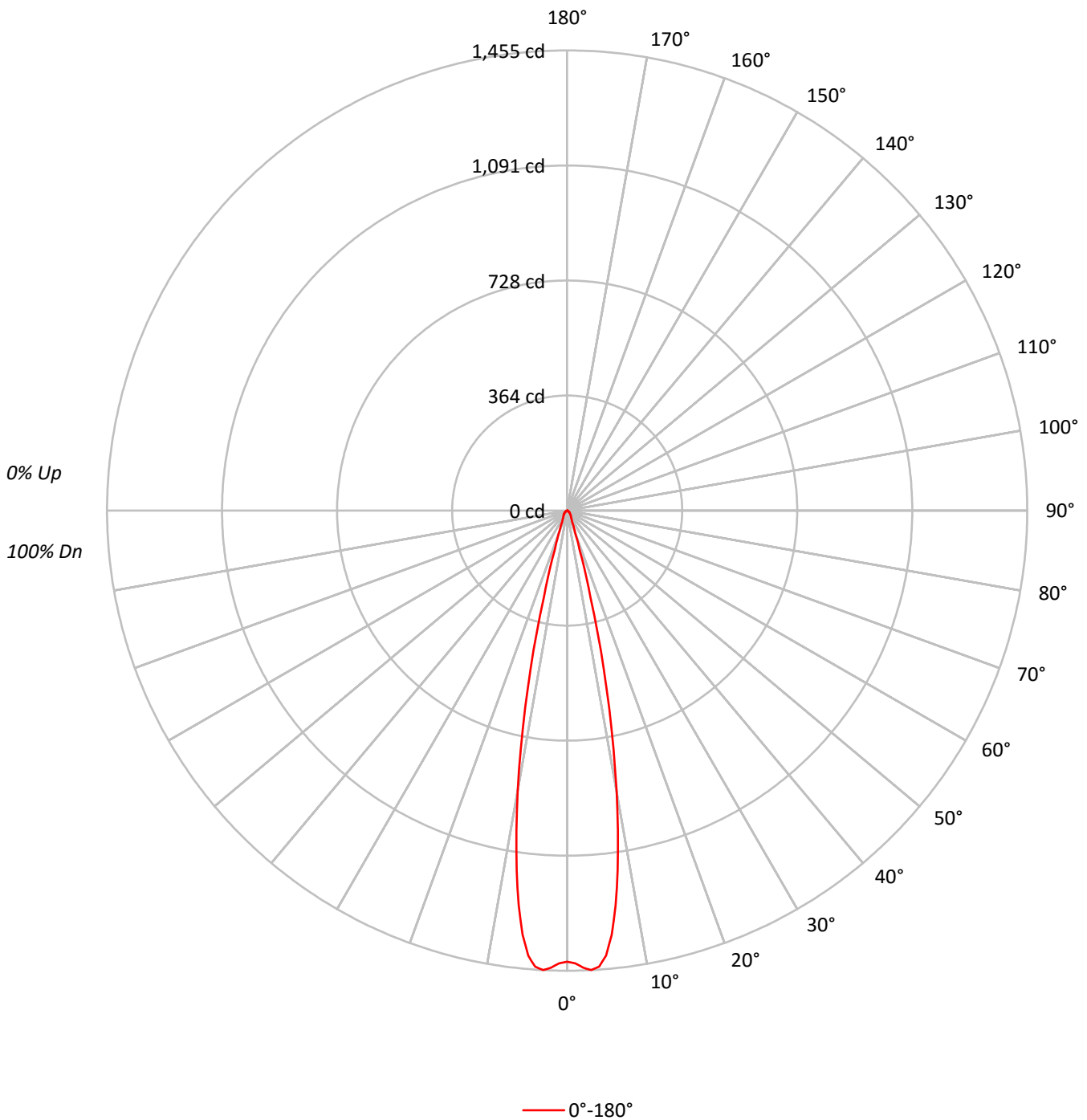
Lumens per Lamp: N/A
Luminaire Lumens: 258.1 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99		100	98	96		97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94		97	94	93		95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90		94	91	89		92	90	88	87
5	101	95	91	88	100	94	91	88	93	89	87		91	88	86		90	87	86	84
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82		87	84	81		86	83	81	80
8	93	87	83	80	92	86	83	80	86	82	80		85	82	79		84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78		83	80	77		82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	703757
5°	699412
10°	450341
15°	144909
20°	38643
25°	19761
30°	14129
35°	12287
40°	10305
45°	8652
50°	7522
55°	5333
60°	3454
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	45.5
10°-20°	92.1	35.7
20°-30°	18.4	7.1
30°-40°	12.6	4.9
40°-50°	9.8	3.8
50°-60°	5.6	2.2
60°-70°	1.6	0.6
70°-80°	0.6	0.2
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°	227.9	88.3
0°-40°	240.5	93.2
0°-60°	255.9	99.1
0°-90°	258.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1426	
5°	1412	117
15°	284	92
25°	36	18
35°	20	13
45°	12	10
55°	6	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1426.4
1°	1431.7
2°	1445.9
3°	1454.7
4°	1445.9
5°	1412.2
6°	1348.4
7°	1257.9
8°	1148.0
9°	1023.9
10°	898.9
12.5°	571.8
15°	283.7
17.5°	131.2
20°	73.6
22.5°	49.6
25°	36.3
27.5°	29.3
30°	24.8
32.5°	22.2
35°	20.4
37.5°	17.7
40°	16.0
42.5°	14.2
45°	12.4
47.5°	11.5
50°	9.8
52.5°	8.0
55°	6.2
57.5°	4.4
60°	3.5
62.5°	1.8
65°	1.8
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)