

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: G2-1802-569-7

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-7
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-7)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

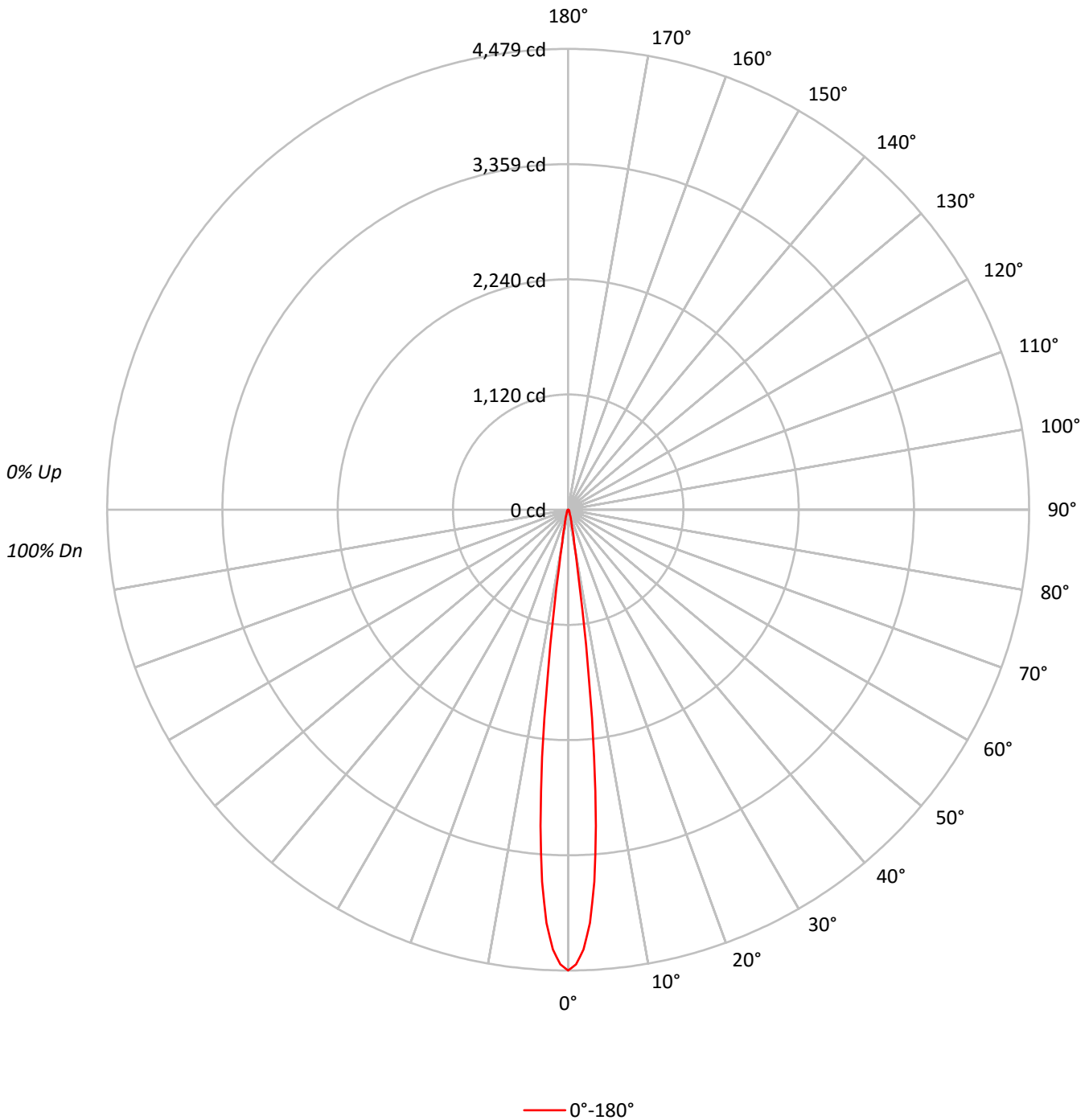
Lumens per Lamp: N/A
Luminaire Lumens: 263.3 lumens
Efficiency: N/A
Efficacy: 35.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	105	104	103	102	102	101	100	99	99	98	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	101	101	100	99	99	99	98	97	97	97	96	95	95
3	109	105	102	99	108	104	101	99	102	99	97	97	99	97	96	96	97	96	94	94	94	93	92	92
4	107	102	99	96	105	101	98	95	99	96	94	94	97	95	93	93	96	94	92	92	92	91	90	90
5	104	99	96	93	103	98	95	93	97	94	92	92	95	93	91	91	94	92	91	91	91	90	89	89
6	102	97	93	91	101	96	93	91	95	92	90	90	94	91	90	90	93	91	89	89	89	88	87	87
7	100	95	91	89	99	94	91	89	93	91	88	88	92	90	88	88	91	89	88	88	88	87	86	86
8	99	93	90	87	98	93	90	87	92	89	87	87	91	89	87	87	90	88	86	86	86	85	84	84
9	97	92	88	86	96	91	88	86	91	88	86	86	90	87	86	86	89	87	85	85	85	84	83	83
10	96	90	87	85	95	90	87	85	89	87	85	85	89	86	85	85	88	86	84	84	84	83	82	82

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	2209650
5°	1527890
10°	174996
15°	55267
20°	24677
25°	15950
30°	12647
35°	11203
40°	9725
45°	8652
50°	6831
55°	5333
60°	2664
65°	1051
70°	1298
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.1	70.3
10°-20°	35.5	13.5
20°-30°	14.2	5.4
30°-40°	11.8	4.5
40°-50°	9.6	3.7
50°-60°	5.4	2.1
60°-70°	1.3	0.5
70°-80°	0.4	0.1
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°	234.8	89.2
0°-40°	246.5	93.6
0°-60°	261.6	99.4
0°-90°	263.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4479	
5°	3085	185
15°	108	36
25°	29	14
35°	19	12
45°	12	10
55°	6	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4478.6
1°	4419.2
2°	4276.4
3°	4021.1
4°	3625.8
5°	3085.0
6°	2416.6
7°	1656.9
8°	990.2
9°	566.5
10°	349.3
12.5°	172.0
15°	108.2
17.5°	75.4
20°	47.0
22.5°	35.5
25°	29.3
27.5°	25.7
30°	22.2
32.5°	20.4
35°	18.6
37.5°	17.7
40°	15.1
42.5°	14.2
45°	12.4
47.5°	11.5
50°	8.9
52.5°	8.0
55°	6.2
57.5°	4.4
60°	2.7
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
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)