

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: P247015

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247015
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-8LED2710-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, 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

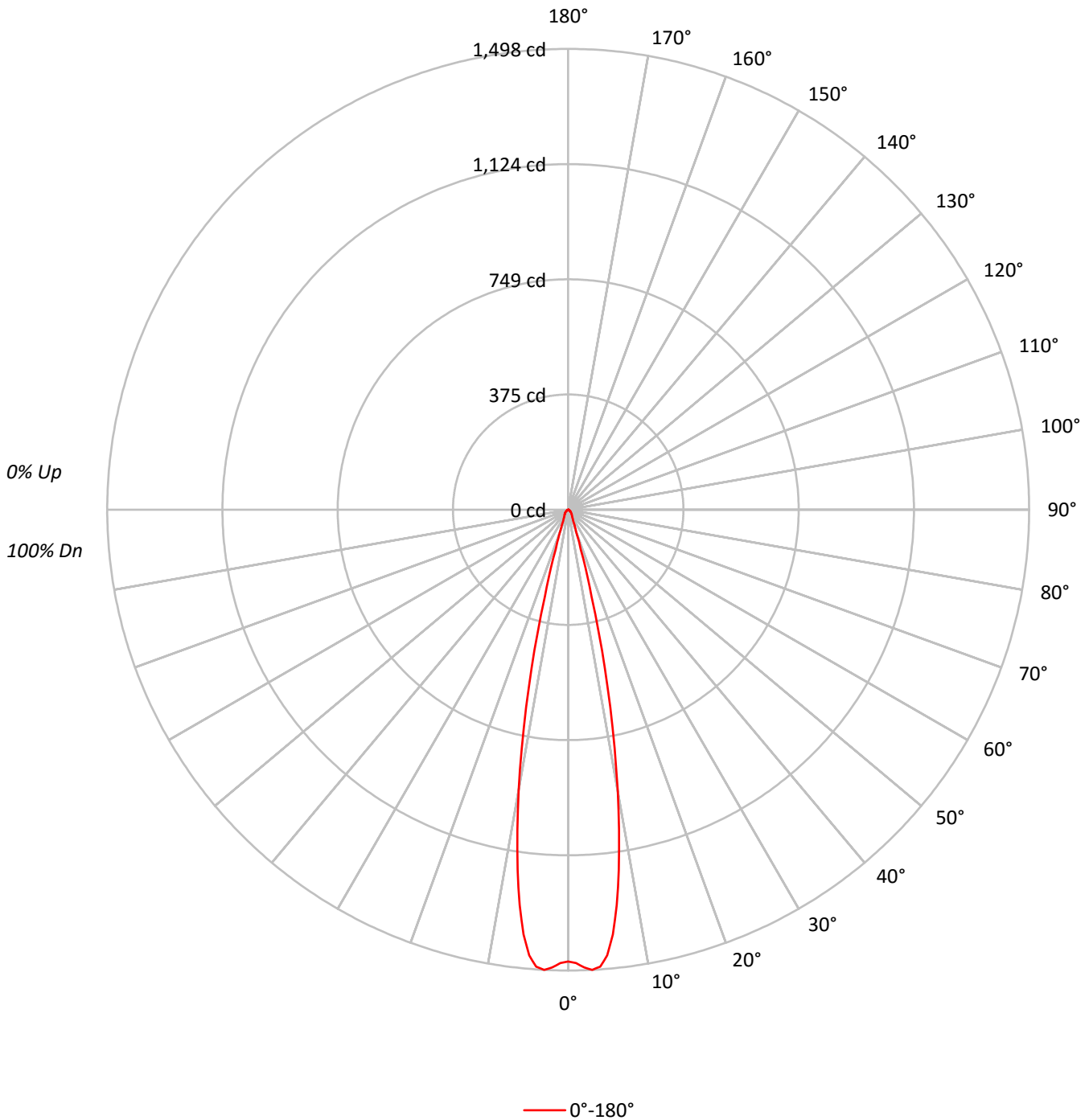
Lumens per Lamp: N/A
Luminaire Lumens: 265.8 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	724676
5°	720213
10°	463767
15°	149200
20°	39798
25°	20360
30°	14584
35°	12648
40°	10563
45°	8931
50°	7676
55°	5505
60°	3651
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	45.5
10°-20°	94.9	35.7
20°-30°	19.0	7.1
30°-40°	12.9	4.9
40°-50°	10.1	3.8
50°-60°	5.8	2.2
60°-70°	1.7	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°	234.7	88.3
0°-40°	247.6	93.2
0°-60°	263.5	99.1
0°-90°	265.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1469	
5°	1454	121
15°	292	95
25°	37	19
35°	21	13
45°	13	10
55°	6	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1468.8
1°	1474.3
2°	1488.9
3°	1498.0
4°	1488.9
5°	1454.2
6°	1388.5
7°	1295.4
8°	1182.2
9°	1054.4
10°	925.7
12.5°	588.8
15°	292.1
17.5°	135.1
20°	75.8
22.5°	51.1
25°	37.4
27.5°	30.1
30°	25.6
32.5°	22.8
35°	21.0
37.5°	18.3
40°	16.4
42.5°	14.6
45°	12.8
47.5°	11.9
50°	10.0
52.5°	8.2
55°	6.4
57.5°	4.6
60°	3.7
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)