

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: P246969

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246969
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-36)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI 10° NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

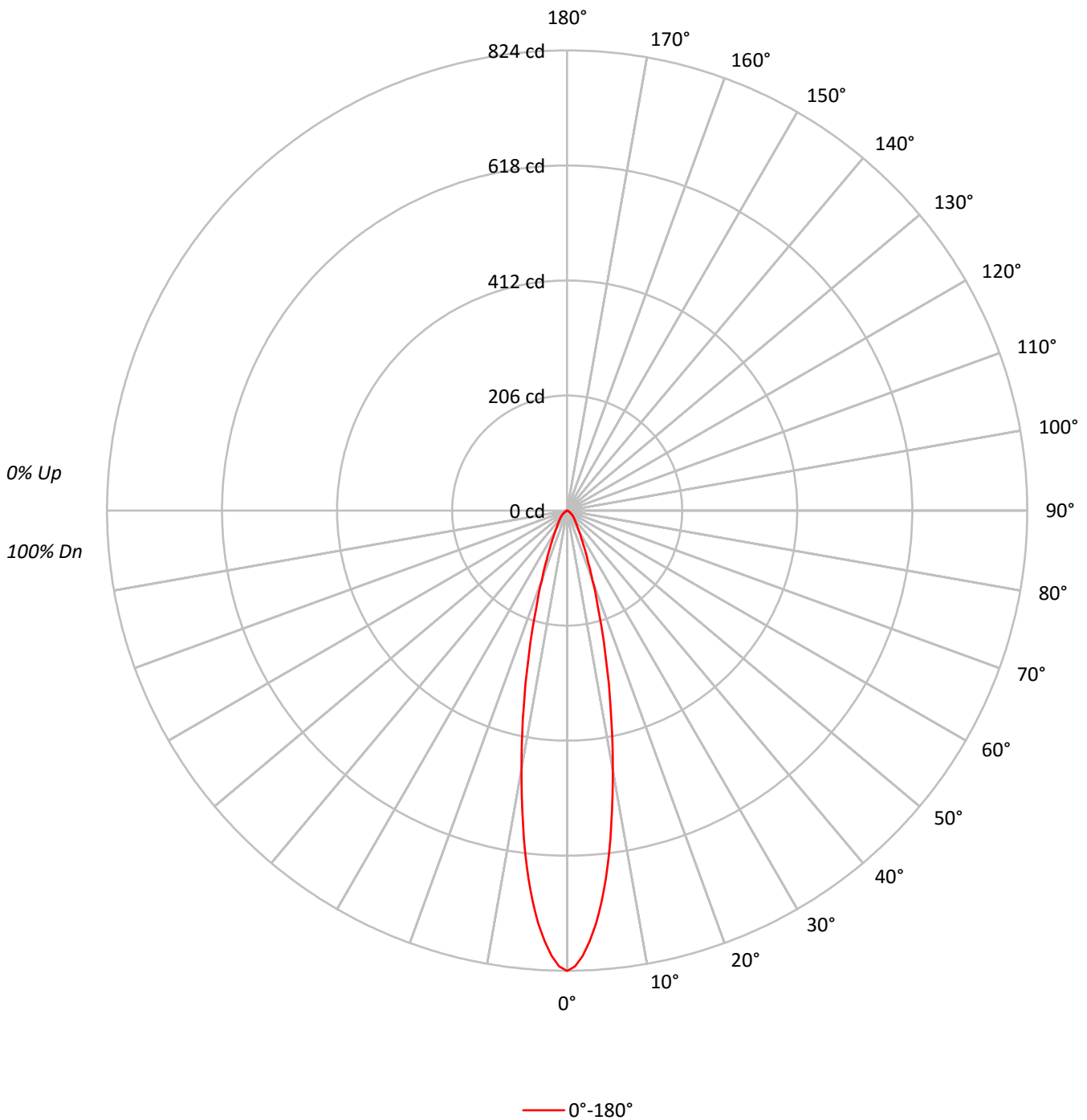
Lumens per Lamp: N/A
Luminaire Lumens: 206.7 lumens
Efficiency: N/A
Efficacy: 27.6 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	106	106	106	102	102	102	100	100	100	100
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95	95	95	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81	81	81	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77	77	77	77
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74	74	74	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	71	71	71
8	87	79	74	70	86	78	74	70	77	73	70	76	73	70	76	72	70	68	68	68	68
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66	66	66	66
10	81	73	69	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64	64	64	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406742
5°	348616
10°	235816
15°	133570
20°	69831
25°	38597
30°	24269
35°	17105
40°	13139
45°	10536
50°	8136
55°	6107
60°	3454
65°	2101
70°	1298
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	28.8
10°-20°	73.6	35.6
20°-30°	34.4	16.6
30°-40°	18.2	8.8
40°-50°	11.8	5.7
50°-60°	6.3	3.0
60°-70°	2.1	1.0
70°-80°	0.8	0.4
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°	167.5	81.0
0°-40°	185.7	89.8
0°-60°	203.8	98.6
0°-90°	206.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	824	
5°	704	60
15°	262	74
25°	71	34
35°	28	18
45°	15	12
55°	7	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	824.4
1°	816.5
2°	797.8
3°	772.1
4°	741.1
5°	703.9
6°	663.1
7°	617.0
8°	568.2
9°	518.6
10°	470.7
12.5°	358.1
15°	261.5
17.5°	186.2
20°	133.0
22.5°	95.7
25°	70.9
27.5°	53.2
30°	42.6
32.5°	33.7
35°	28.4
37.5°	23.9
40°	20.4
42.5°	17.7
45°	15.1
47.5°	13.3
50°	10.6
52.5°	8.9
55°	7.1
57.5°	5.3
60°	3.5
62.5°	2.7
65°	1.8
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)