

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: Pxxxxxx

Luminaire Tested: **230-8LED2710-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: Pxxxxxx
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (Pxxxxxx)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED2710-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED
SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

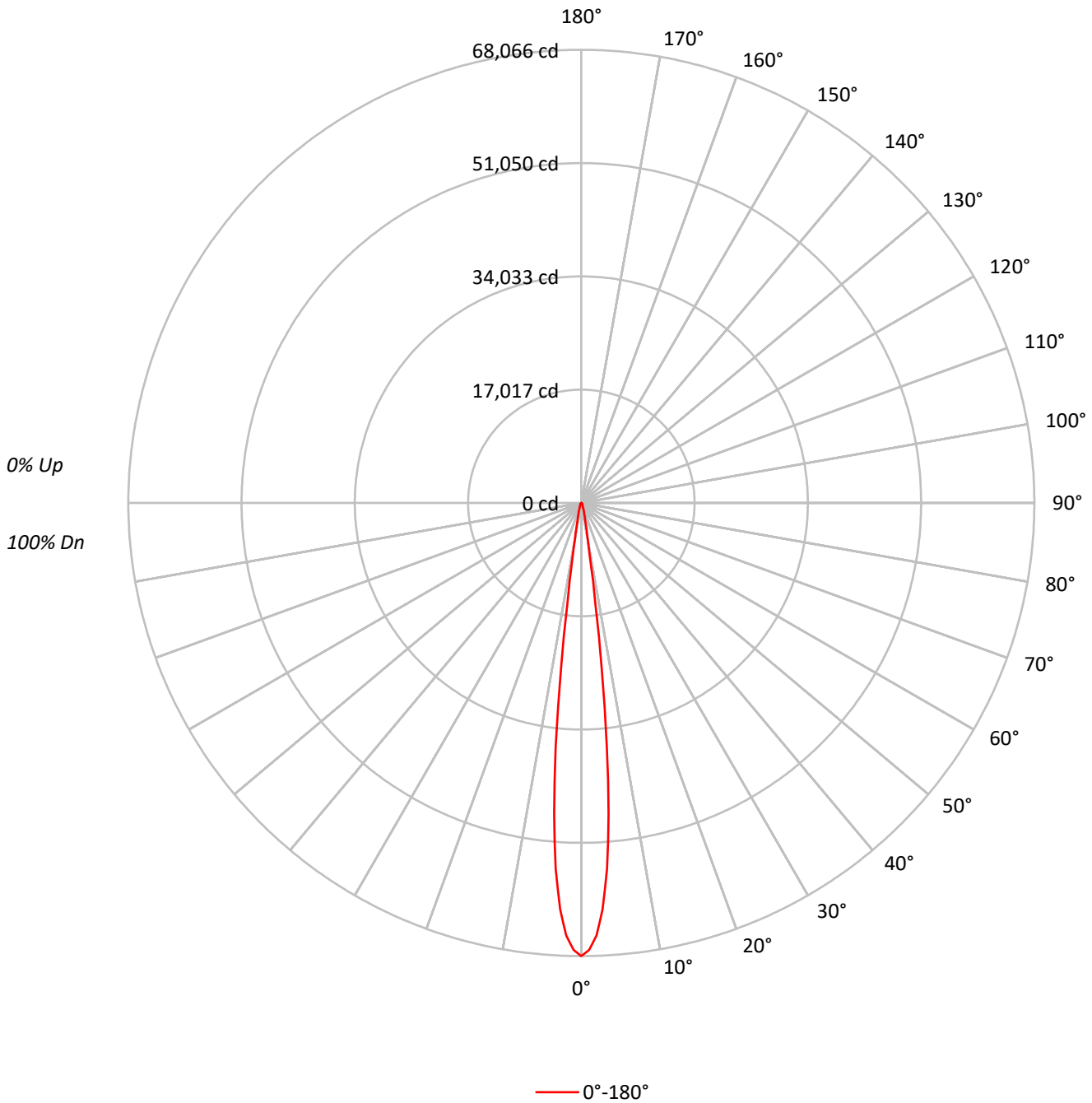
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 533.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	90	93	91	89	88
7	100	95	91	89	99	94	91	89	93	91	88	92	90	88	92	89	88	87
8	99	93	90	88	98	93	90	87	92	89	87	91	89	87	90	88	86	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	84	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33582175
5°	23220659
10°	2659609
15°	839780
20°	375039
25°	241815
30°	191706
35°	170693
40°	147361
45°	131804
50°	103084
55°	81287
60°	39273
65°	15527
70°	19186
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2813.0	70.3
10°-20°	539.5	13.5
20°-30°	215.1	5.4
30°-40°	178.8	4.5
40°-50°	146.5	3.7
50°-60°	82.2	2.1
60°-70°	19.6	0.5
70°-80°	5.2	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°	3567.6	89.2
0°-40°	3746.4	93.7
0°-60°	3975.2	99.4
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	68066	
5°	46885	###
15°	1644	539
25°	444	215
35°	283	179
45°	189	147
55°	94	82
65°	13	20
75°	0	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	68065.6
1°	67162.4
2°	64994.3
3°	61112.8
4°	55104.5
5°	46885.4
6°	36727.0
7°	25181.3
8°	15049.4
9°	8608.7
10°	5308.7
12.5°	2613.8
15°	1644.1
17.5°	1145.3
20°	714.3
22.5°	538.7
25°	444.2
27.5°	391.1
30°	336.5
32.5°	309.9
35°	283.4
37.5°	270.1
40°	228.8
42.5°	215.5
45°	188.9
47.5°	175.6
50°	134.3
52.5°	121.0
55°	94.5
57.5°	67.9
60°	39.8
62.5°	26.6
65°	13.3
67.5°	13.3
70°	13.3
72.5°	13.3
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)