

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: P246951

Luminaire Tested: **203-FL-8LED3010-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246951
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-12)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED3010-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, FLUSH HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-10D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

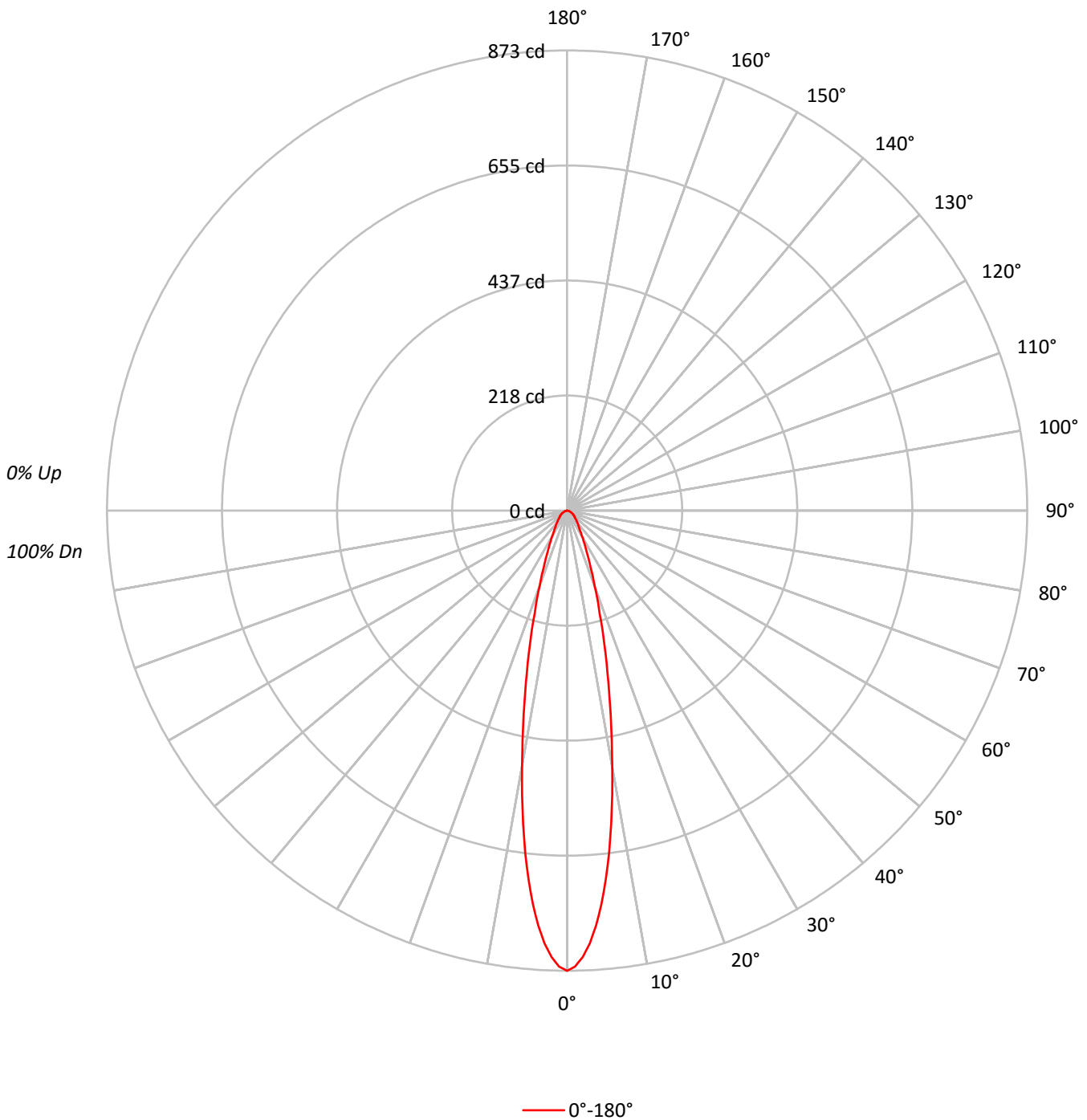
Lumens per Lamp: N/A
Luminaire Lumens: 254.3 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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	113	110	108	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	81	75	71	88	80	75	71	79	74	70		77	73	70		76	72	69	68
7	86	77	71	67	84	76	71	67	75	70	67		74	70	67		73	69	66	65
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	60
10	77	68	62	59	76	67	62	59	67	62	59		66	62	59		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	430819
5°	371002
10°	246938
15°	143530
20°	80542
25°	48722
30°	32302
35°	24032
40°	19386
45°	16048
50°	14277
55°	12989
60°	11348
65°	10390
70°	7645
75°	6672
80°	5114
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	24.8
10°-20°	78.7	30.9
20°-30°	42.8	16.8
30°-40°	25.6	10.1
40°-50°	18.1	7.1
50°-60°	13.5	5.3
60°-70°	8.4	3.3
70°-80°	3.7	1.5
80°-90°	0.5	0.2
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°	184.5	72.5
0°-40°	210.0	82.6
0°-60°	241.6	95.0
0°-90°	254.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	873	
5°	749	63
15°	281	79
25°	90	43
35°	40	26
45°	23	18
55°	15	13
65°	9	8
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	873.2
1°	865.2
2°	847.5
3°	821.8
4°	789.0
5°	749.1
6°	703.0
7°	653.3
8°	599.3
9°	546.1
10°	492.9
11°	442.4
12°	396.3
13°	354.6
14°	315.6
15°	281.0
17.5°	205.7
20°	153.4
22.5°	115.2
25°	89.5
27.5°	70.9
30°	56.7
32.5°	47.0
35°	39.9
37.5°	34.6
40°	30.1
42.5°	26.6
45°	23.0
47.5°	20.4
50°	18.6
52.5°	16.8
55°	15.1
57.5°	13.3
60°	11.5
62.5°	9.8
65°	8.9
67.5°	7.1
70°	5.3
72.5°	4.4
75°	3.5
77.5°	2.7
80°	1.8
82.5°	0.9
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)