

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: P247026

Luminaire Tested: **203-SS-8LED2736-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247026
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2736-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 336.9 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

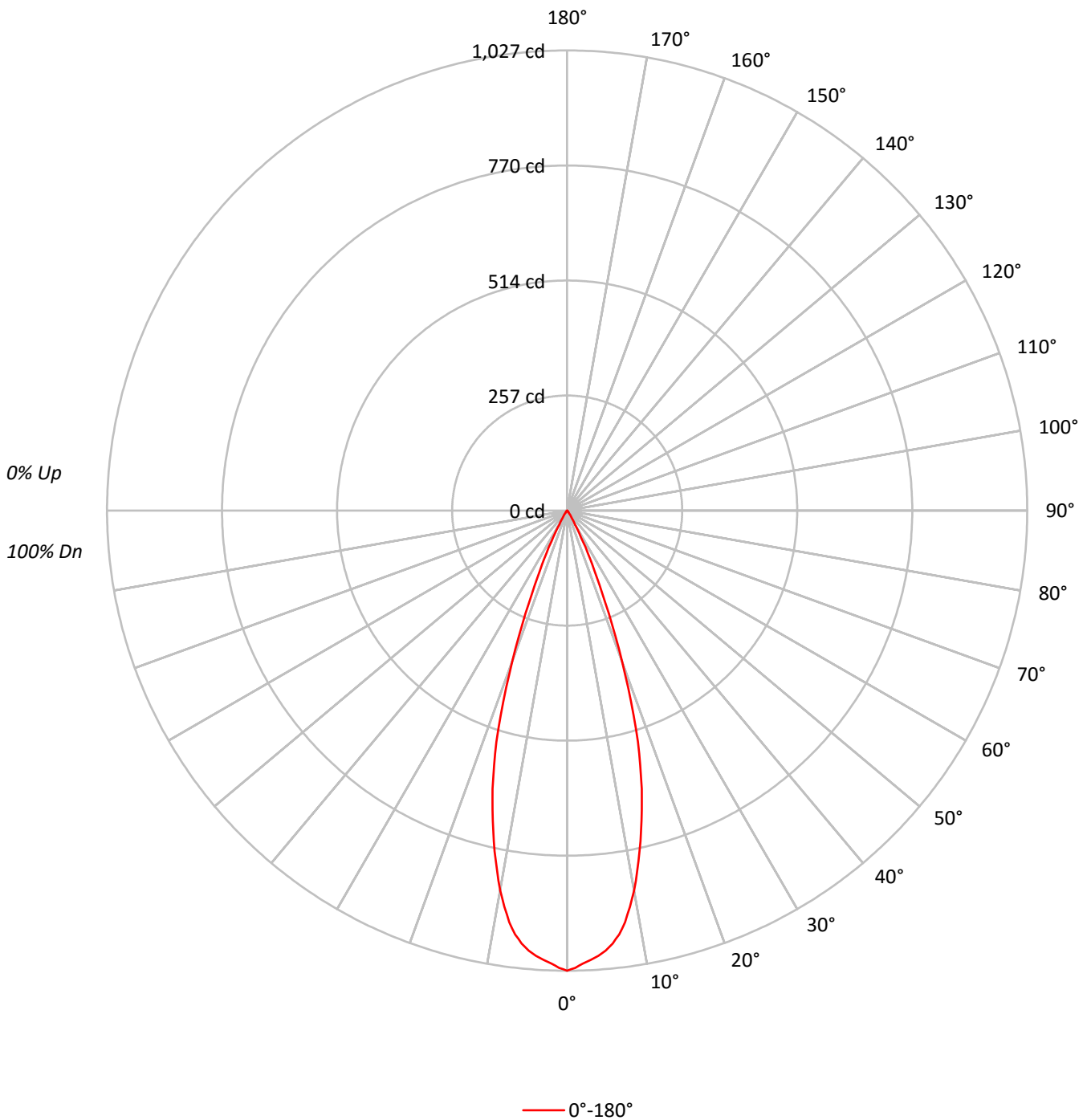
Input Watts (W): 7.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97	96	94	93
3	107	102	99	96	105	101	98	95	99	96	94		96	94	92		94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89		93	91	88		92	89	87	86
5	100	94	90	87	99	93	89	87	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83		87	84	82		86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80		85	82	79		84	81	79	78
8	91	85	80	77	90	84	80	77	83	79	77		82	79	77		81	78	76	75
9	89	82	78	75	88	81	77	75	81	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		78	74	72		77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	506701
5°	488281
10°	431303
15°	328281
20°	187913
25°	72076
30°	17148
35°	6023
40°	2383
45°	1256
50°	691
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	26.8
10°-20°	171.0	50.8
20°-30°	65.9	19.5
30°-40°	7.4	2.2
40°-50°	1.5	0.4
50°-60°	0.8	0.2
60°-70°	0.1	0.0
70°-80°	0.0	0.0
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°	327.2	97.1
0°-40°	334.6	99.3
0°-60°	336.8	100.0
0°-90°	336.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1027	
5°	986	90
15°	643	171
25°	132	66
35°	10	7
45°	2	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1027.0
1°	1020.6
2°	1011.5
3°	1004.2
4°	996.0
5°	985.9
6°	971.3
7°	953.1
8°	927.5
9°	895.5
10°	860.9
11°	819.8
12°	777.8
13°	734.0
14°	688.3
15°	642.7
16°	592.5
17°	539.5
18°	480.2
19°	418.1
20°	357.9
21°	301.3
22°	248.3
23°	200.8
24°	163.4
25°	132.4
26°	105.9
27°	76.7
28°	57.5
29°	42.0
30°	30.1
32.5°	16.4
35°	10.0
37.5°	5.5
40°	3.7
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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)