

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: P246973

Luminaire Tested: **203-SS-8LED3025-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246973
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3025-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK
Light Source: (1) SORAA 3000K 95 CRI 25°NFL LED SM16-07-25D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

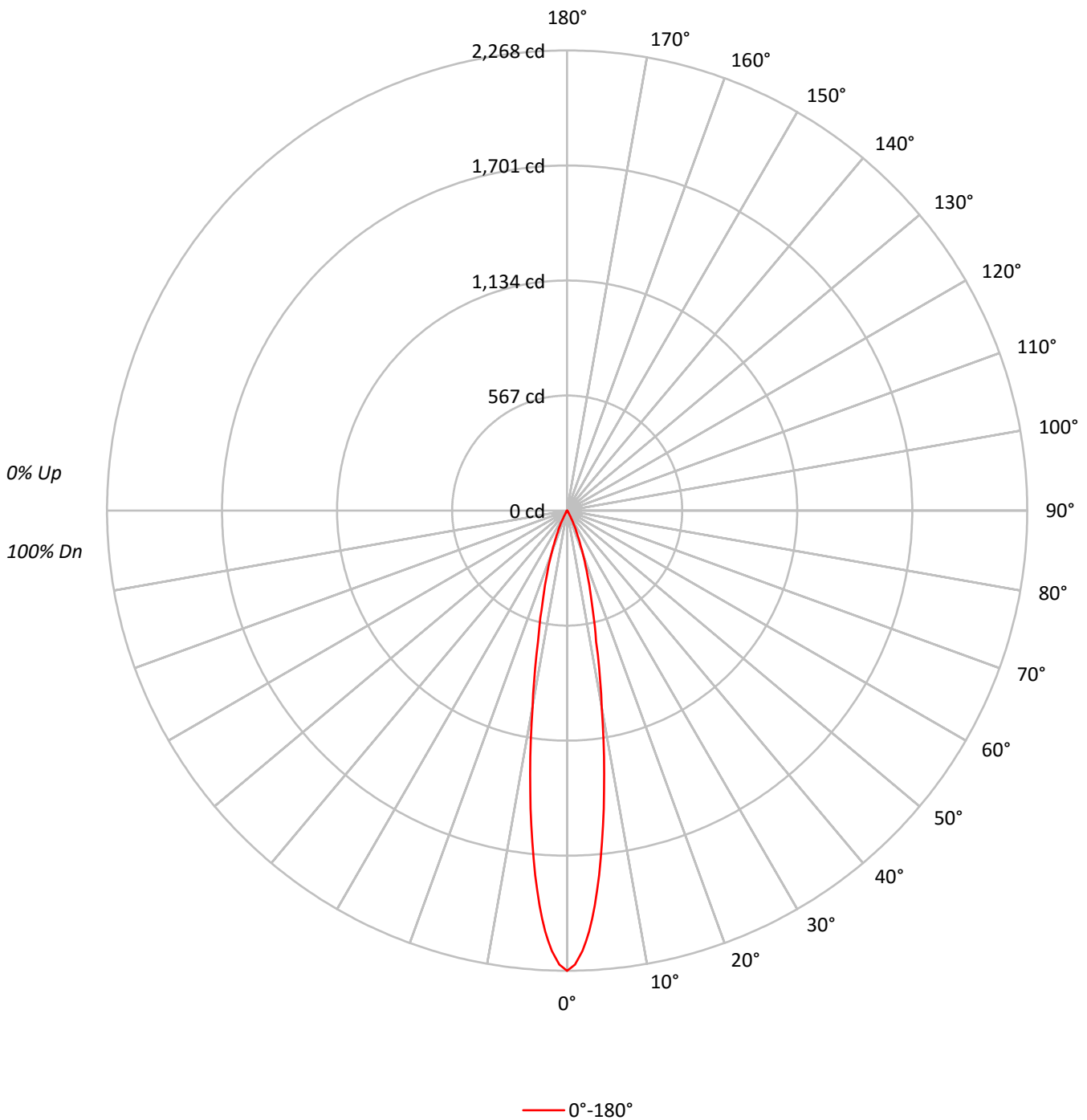
Lumens per Lamp: N/A
Luminaire Lumens: 331.8 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.33
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	108	106	103	110	107	104	102	104	102	100		101	99	98		98	97	96	95
3	109	104	101	98	107	103	100	98	101	98	96		98	96	95		96	95	93	92
4	106	101	97	94	104	100	96	94	98	95	93		96	94	92		94	92	91	90
5	103	97	94	91	102	97	93	91	95	92	90		94	91	89		92	90	88	87
6	100	95	91	88	99	94	90	88	93	90	87		91	89	87		90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85		89	87	84		88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83		87	85	82		87	84	82	81
9	93	87	84	81	93	87	83	81	86	83	81		85	83	81		85	82	80	79
10	91	85	82	79	91	85	81	79	84	81	79		84	81	79		83	81	79	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1119232
5°	893457
10°	492975
15°	238179
20°	116822
25°	49212
30°	11109
35°	4276
40°	2254
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°	144.9	43.7
10°-20°	135.7	40.9
20°-30°	43.6	13.1
30°-40°	5.2	1.6
40°-50°	1.4	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°	324.2	97.7
0°-40°	329.4	99.3
0°-60°	331.6	100.0
0°-90°	331.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	331.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2268	
5°	1804	145
15°	466	136
25°	90	44
35°	7	5
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°	2268.5
1°	2237.5
2°	2171.9
3°	2077.1
4°	1951.2
5°	1804.0
6°	1644.4
7°	1479.6
8°	1310.2
9°	1143.6
10°	984.0
12.5°	661.3
15°	466.3
17.5°	330.7
20°	222.5
22.5°	143.6
25°	90.4
27.5°	45.2
30°	19.5
32.5°	11.5
35°	7.1
37.5°	4.4
40°	3.5
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
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)