

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: P246977

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246977
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-31)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

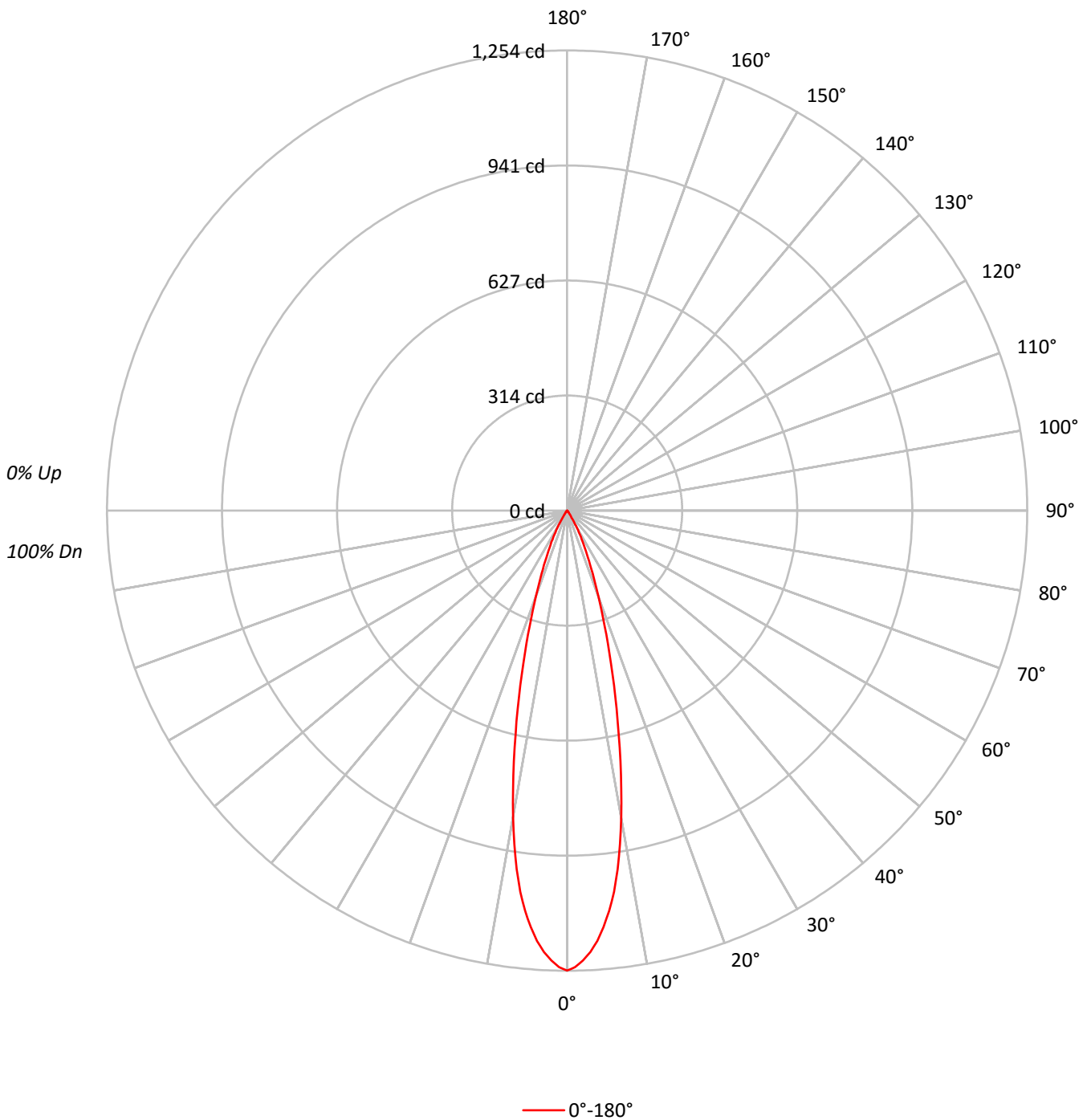
Lumens per Lamp: N/A
Luminaire Lumens: 305.9 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.44
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	618451
5°	564155
10°	425041
15°	251765
20°	130316
25°	65653
30°	27289
35°	8011
40°	2834
45°	1884
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	32.6
10°-20°	135.9	44.4
20°-30°	57.2	18.7
30°-40°	10.5	3.4
40°-50°	2.0	0.7
50°-60°	0.7	0.2
60°-70°	0.0	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°	292.7	95.7
0°-40°	303.1	99.1
0°-60°	305.9	100.0
0°-90°	305.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1254	
5°	1139	100
15°	493	136
25°	121	57
35°	13	10
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1253.5
1°	1244.6
2°	1226.9
3°	1204.7
4°	1175.5
5°	1139.1
6°	1096.6
7°	1046.9
8°	986.7
9°	921.1
10°	848.4
11°	773.9
12°	697.7
13°	625.0
14°	556.7
15°	492.9
16°	433.5
17°	378.5
18°	329.8
19°	286.3
20°	248.2
21°	213.6
22°	185.3
23°	161.3
24°	139.2
25°	120.6
26°	103.7
27°	87.8
28°	73.6
29°	61.2
30°	47.9
32.5°	22.2
35°	13.3
37.5°	8.0
40°	4.4
42.5°	3.5
45°	2.7
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.0
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)