

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: P246982

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246982
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)
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-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

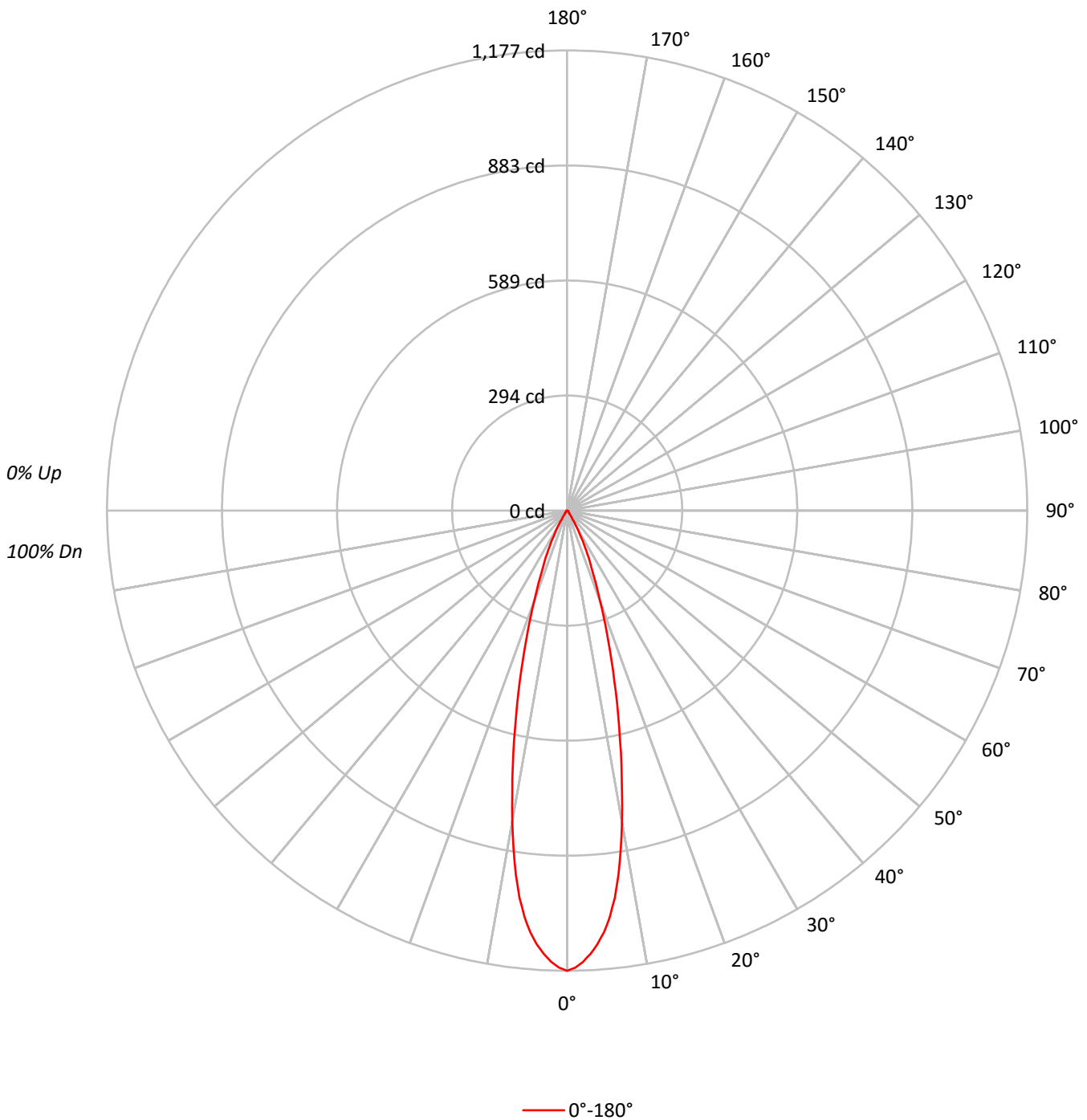
Lumens per Lamp: N/A
Luminaire Lumens: 302.5 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	78	77
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	580856
5°	536074
10°	405051
15°	245432
20°	129843
25°	66578
30°	26263
35°	9095
40°	4573
45°	3070
50°	2686
55°	2322
60°	1776
65°	1051
70°	1298
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	31.3
10°-20°	132.2	43.7
20°-30°	57.2	18.9
30°-40°	11.4	3.8
40°-50°	3.5	1.2
50°-60°	2.2	0.7
60°-70°	1.0	0.3
70°-80°	0.4	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°	284.0	93.9
0°-40°	295.4	97.7
0°-60°	301.1	99.6
0°-90°	302.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	302.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1177	
5°	1082	95
15°	480	132
25°	122	57
35°	15	11
45°	4	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1177.3
1°	1169.3
2°	1155.1
3°	1135.6
4°	1111.7
5°	1082.4
6°	1044.3
7°	998.2
8°	941.5
9°	877.6
10°	808.5
11°	736.7
12°	667.5
13°	601.9
14°	539.0
15°	480.5
16°	424.6
17°	374.1
18°	328.9
19°	285.5
20°	247.3
21°	213.6
22°	185.3
23°	161.3
24°	141.0
25°	122.3
26°	104.6
27°	88.6
28°	72.7
29°	58.5
30°	46.1
32.5°	23.9
35°	15.1
37.5°	9.8
40°	7.1
42.5°	5.3
45°	4.4
47.5°	3.5
50°	3.5
52.5°	2.7
55°	2.7
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.9
72.5°	0.9
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)