

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: P247025

Luminaire Tested: **203-SS-8LED2725-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247025
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-8LED2725-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

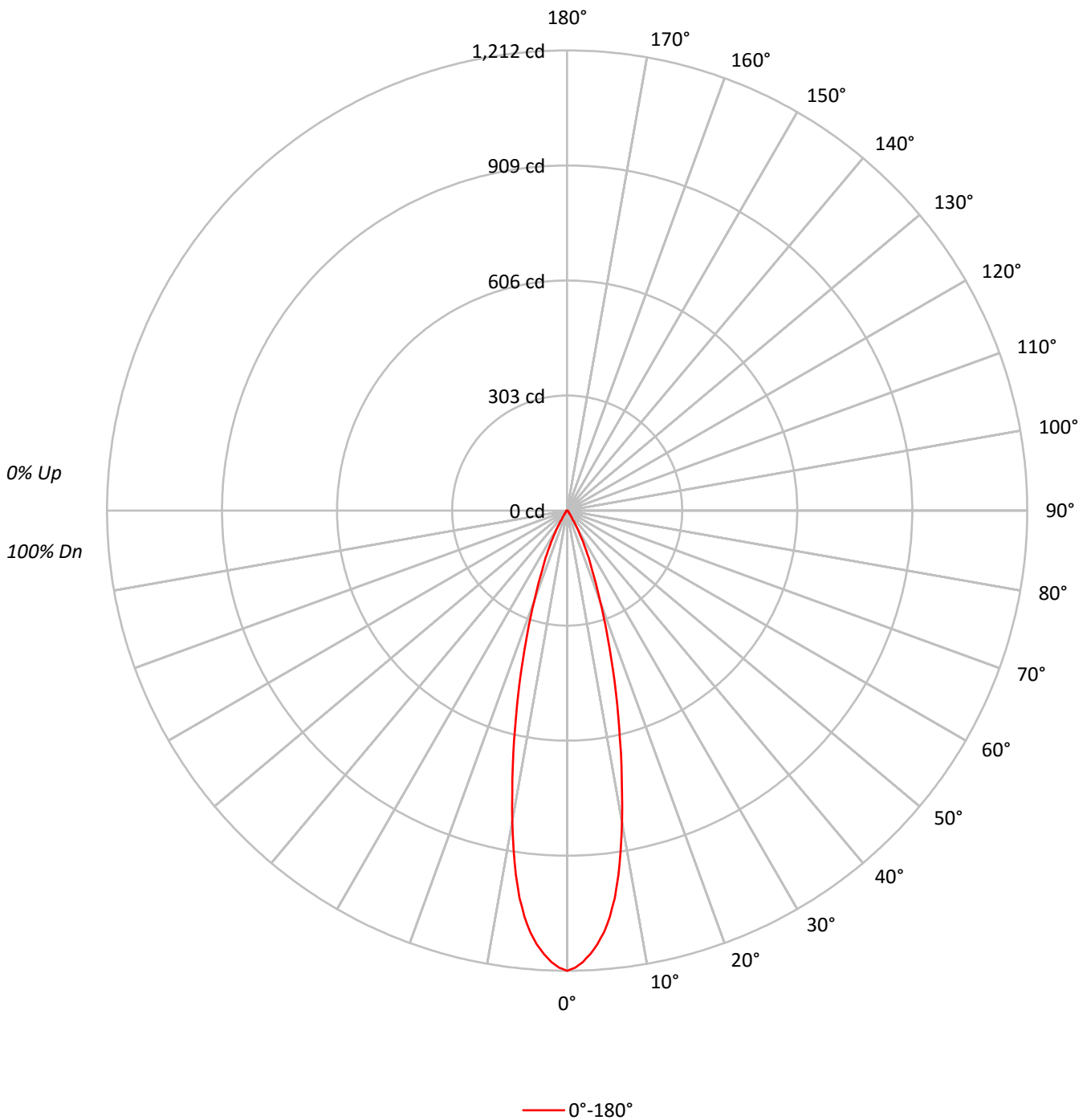
Lumens per Lamp: N/A
Luminaire Lumens: 311.4 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	598124
5°	552021
10°	417125
15°	252736
20°	133729
25°	68592
30°	27061
35°	9336
40°	4702
45°	3210
50°	2840
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°	97.5	31.3
10°-20°	136.1	43.7
20°-30°	58.9	18.9
30°-40°	11.7	3.8
40°-50°	3.7	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°	292.4	93.9
0°-40°	304.2	97.7
0°-60°	310.1	99.6
0°-90°	311.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1212	
5°	1115	97
15°	495	136
25°	126	59
35°	16	12
45°	5	4
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CATALOG NUMBER: 203-SS-8LED2725-12-CS-OSL

CANDELA DISTRIBUTION (FULL):

0°	
0°	1212.3
1°	1204.1
2°	1189.5
3°	1169.4
4°	1144.8
5°	1114.6
6°	1075.4
7°	1027.9
8°	969.5
9°	903.8
10°	832.6
11°	758.6
12°	687.4
13°	619.8
14°	555.0
15°	494.8
16°	437.3
17°	385.2
18°	338.7
19°	293.9
20°	254.7
21°	220.0
22°	190.8
23°	166.1
24°	145.1
25°	126.0
26°	107.7
27°	91.3
28°	74.9
29°	60.3
30°	47.5
32.5°	24.6
35°	15.5
37.5°	10.0
40°	7.3
42.5°	5.5
45°	4.6
47.5°	3.7
50°	3.7
52.5°	2.7
55°	2.7
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9



TEST NUMBER: P247025

CATALOG NUMBER: 203-SS-8LED2725-12-CS-OSL

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)