

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: P247002

Luminaire Tested: **203-FL-8LED2725-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247002
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-19)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED2725-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, FLUSH HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

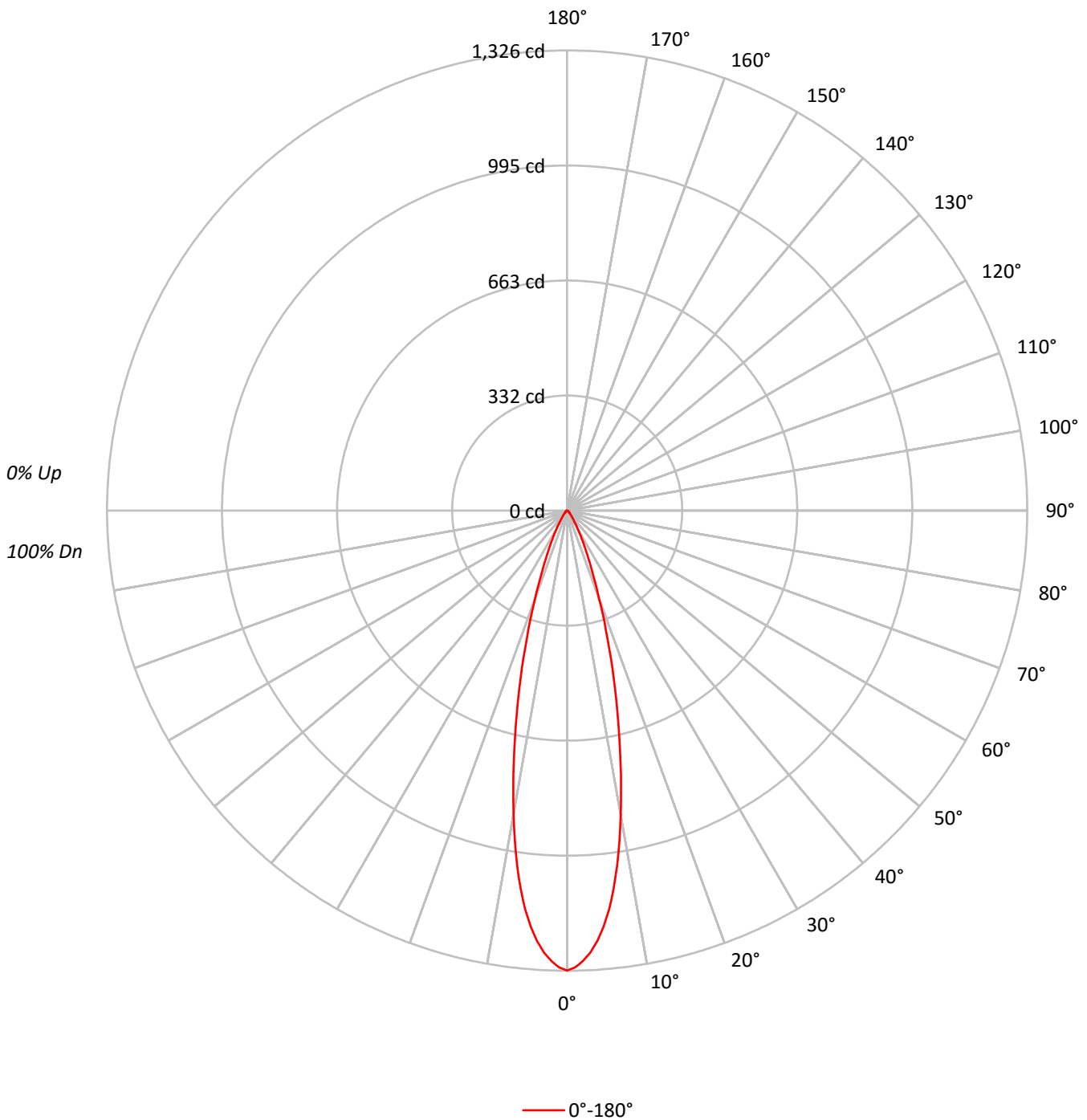
Lumens per Lamp: N/A
Luminaire Lumens: 349.9 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.8
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	112	110	108	112	110	108	107	106	105	103		102	101	100		99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		93	91	89	88
4	103	97	92	89	101	96	91	88	93	90	87		92	89	86		90	87	85	84
5	99	93	88	85	98	92	87	84	90	86	84		88	85	83		87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	77		83	79	77		82	79	76	75
8	90	83	78	75	89	82	78	75	81	77	74		80	77	74		79	76	74	73
9	87	80	75	72	86	79	75	72	78	75	72		78	74	72		77	74	71	70
10	85	77	73	70	84	77	73	70	76	72	70		75	72	69		75	72	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	653975
5°	596348
10°	445481
15°	272299
20°	140922
25°	70062
30°	34866
35°	17587
40°	9983
45°	6977
50°	4912
55°	3957
60°	3651
65°	3152
70°	2597
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	29.9
10°-20°	146.4	41.8
20°-30°	62.9	18.0
30°-40°	20.0	5.7
40°-50°	7.9	2.2
50°-60°	4.4	1.3
60°-70°	2.5	0.7
70°-80°	1.1	0.3
80°-90°	0.1	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°	314.1	89.7
0°-40°	334.0	95.5
0°-60°	346.3	99.0
0°-90°	349.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1326	
5°	1204	105
15°	533	146
25°	129	63
35°	29	20
45°	10	8
55°	5	4
65°	3	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1325.5
1°	1316.4
2°	1299.0
3°	1275.3
4°	1243.3
5°	1204.1
6°	1155.7
7°	1099.1
8°	1033.4
9°	964.0
10°	889.2
11°	813.4
12°	739.4
13°	665.5
14°	597.9
15°	533.1
17.5°	385.2
20°	268.4
22.5°	184.4
25°	128.7
27.5°	89.5
30°	61.2
32.5°	42.0
35°	29.2
37.5°	21.0
40°	15.5
42.5°	11.9
45°	10.0
47.5°	8.2
50°	6.4
52.5°	5.5
55°	4.6
57.5°	4.6
60°	3.7
62.5°	2.7
65°	2.7
67.5°	1.8
70°	1.8
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)