

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: P247020

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247020
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-8LED2725-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

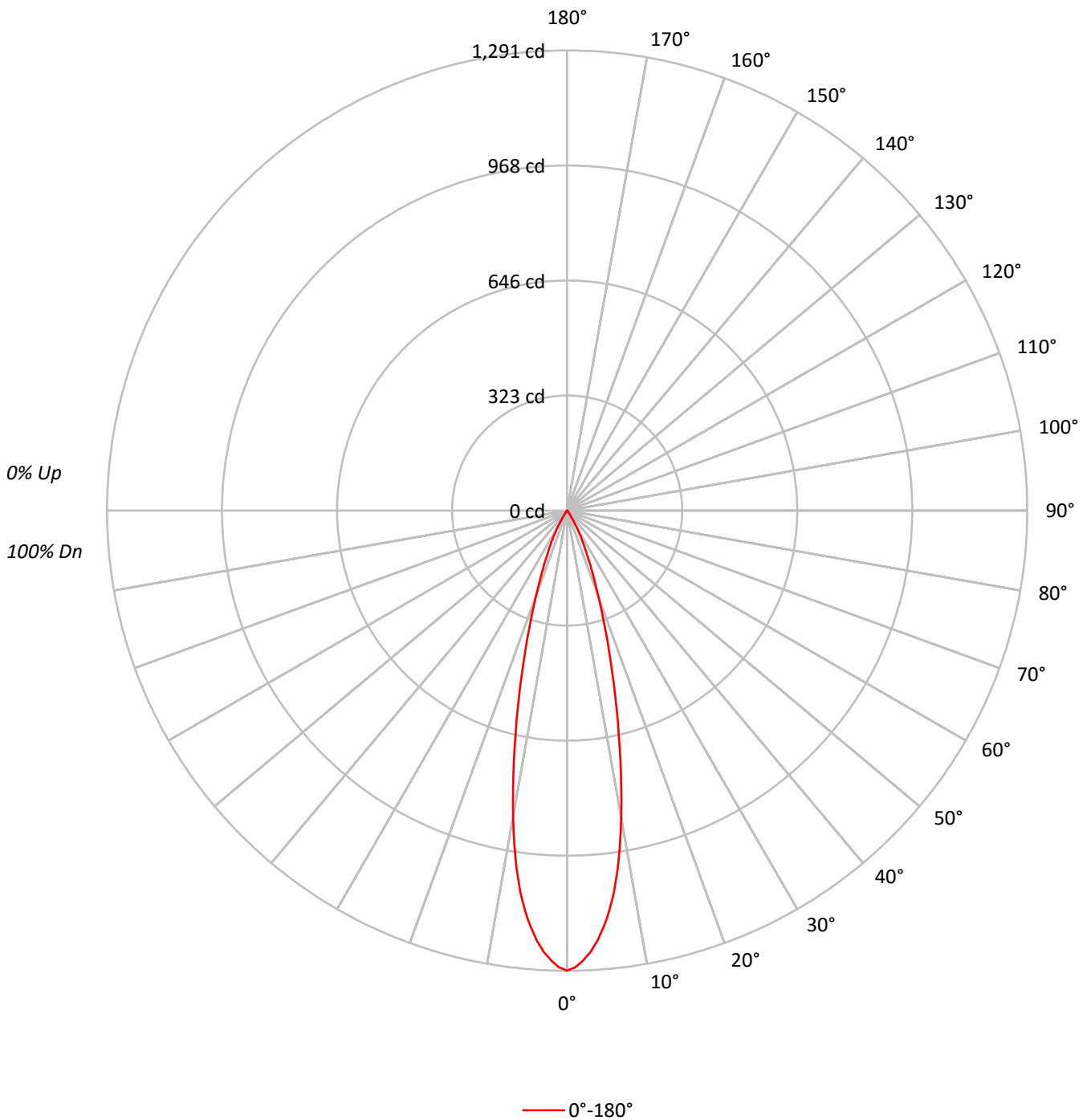
Lumens per Lamp: N/A
Luminaire Lumens: 314.9 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.44
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	92	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	87	80	76	74	79	76	73		79	76	73		78	75	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	636854
5°	580994
10°	437665
15°	259274
20°	134201
25°	67613
30°	28086
35°	8252
40°	2963
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°	102.5	32.6
10°-20°	140.0	44.4
20°-30°	58.9	18.7
30°-40°	10.8	3.4
40°-50°	2.1	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
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0°-30°	301.4	95.7
0°-40°	312.2	99.1
0°-60°	314.9	100.0
0°-90°	314.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	314.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1291	
5°	1173	103
15°	508	140
25°	124	59
35°	14	11
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°	1290.8
1°	1281.7
2°	1263.4
3°	1240.6
4°	1210.5
5°	1173.1
6°	1129.2
7°	1078.1
8°	1016.0
9°	948.5
10°	873.6
11°	796.9
12°	718.4
13°	643.6
14°	573.3
15°	507.6
16°	446.4
17°	389.8
18°	339.6
19°	294.9
20°	255.6
21°	220.0
22°	190.8
23°	166.1
24°	143.3
25°	124.2
26°	106.8
27°	90.4
28°	75.8
29°	63.0
30°	49.3
32.5°	22.8
35°	13.7
37.5°	8.2
40°	4.6
42.5°	3.7
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)