

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: P247021

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247021
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

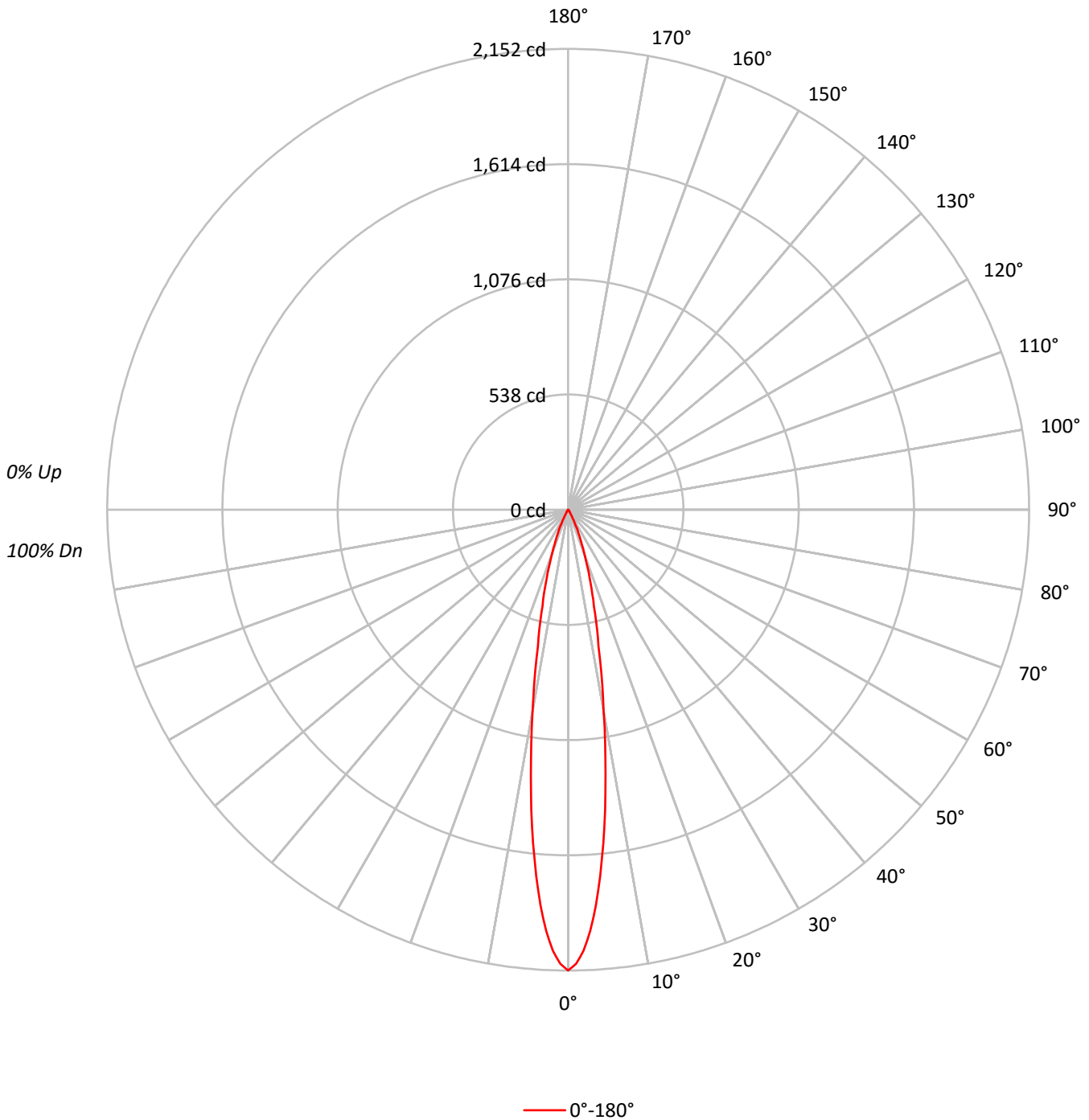
Lumens per Lamp: N/A
Luminaire Lumens: 330.2 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	105	103	102	101	101	100	99	99	99	97	97	97	97
2	112	108	105	103	110	106	104	102	103	101	99	99	100	99	97	97	98	97	95	95	94	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	95	98	96	94	94	96	94	92	92	91	91	91	91
4	105	100	96	93	104	99	95	93	97	94	92	92	95	93	91	91	93	91	90	90	89	89	89	89
5	102	97	93	90	101	96	92	89	94	91	89	89	93	90	88	88	91	89	87	87	86	86	86	86
6	99	94	90	87	98	93	89	86	92	88	86	86	90	88	85	85	89	87	85	85	84	84	84	84
7	97	91	87	84	96	90	86	84	89	86	83	83	88	85	83	83	87	85	83	83	82	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	81	86	83	81	81	85	83	81	81	80	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	79	84	81	79	79	83	81	79	79	78	78	78	78
10	90	84	80	78	89	84	80	78	83	80	77	77	82	79	77	77	82	79	77	77	76	76	76	76

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	1061605
5°	849527
10°	478396
15°	236851
20°	116927
25°	51172
30°	12477
35°	6023
40°	3542
45°	2582
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°	138.3	41.9
10°-20°	134.0	40.6
20°-30°	44.1	13.4
30°-40°	7.0	2.1
40°-50°	3.2	1.0
50°-60°	2.4	0.7
60°-70°	1.0	0.3
70°-80°	0.1	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°	316.5	95.8
0°-40°	323.5	98.0
0°-60°	329.1	99.7
0°-90°	330.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	330.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2152	
5°	1715	138
15°	464	134
25°	94	44
35°	10	7
45°	4	3
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2151.7
1°	2121.5
2°	2060.4
3°	1969.1
4°	1852.2
5°	1715.3
6°	1567.4
7°	1411.3
8°	1252.5
9°	1102.8
10°	954.9
12.5°	652.7
15°	463.7
17.5°	328.6
20°	222.7
22.5°	146.1
25°	94.0
27.5°	42.9
30°	21.9
32.5°	14.6
35°	10.0
37.5°	7.3
40°	5.5
42.5°	4.6
45°	3.7
47.5°	3.7
50°	3.7
52.5°	2.7
55°	2.7
57.5°	2.7
60°	1.8
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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)