

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: P246981

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246981
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)
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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

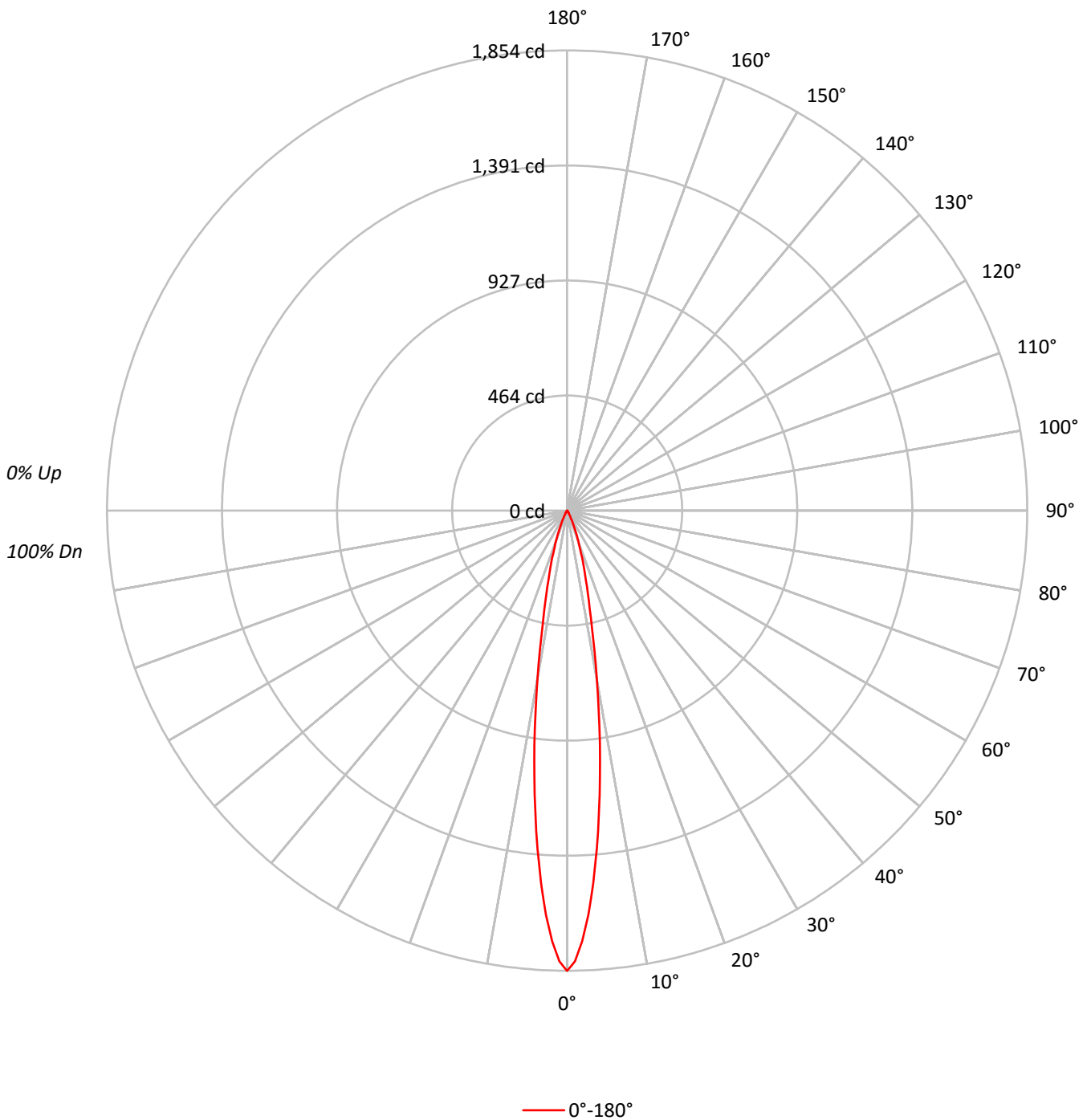
Lumens per Lamp: N/A
Luminaire Lumens: 224.5 lumens
Efficiency: N/A
Efficacy: 31.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97	97	
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95	95	95	95	
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93	93	
4	106	101	98	95	105	100	97	95	98	96	94	97	94	92	95	93	91	90	90	90	90	
5	104	98	95	92	102	97	94	92	96	93	91	94	92	90	93	91	89	88	88	88	88	
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86	86	86	86	
7	99	93	89	87	98	92	89	87	91	88	86	90	88	86	90	87	85	84	84	84	84	
8	97	91	87	85	96	90	87	85	89	86	84	89	86	84	88	85	84	83	83	83	83	
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81	
10	93	87	83	81	92	86	83	81	86	83	81	85	82	81	85	82	80	80	80	80	80	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	914972
5°	677472
10°	345082
15°	150324
20°	68413
25°	25586
30°	7577
35°	3734
40°	2254
45°	1256
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°	108.1	48.1
10°-20°	86.1	38.3
20°-30°	24.0	10.7
30°-40°	4.4	2.0
40°-50°	1.4	0.6
50°-60°	0.5	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
0°-30°	218.2	97.2
0°-40°	222.6	99.1
0°-60°	224.5	100.0
0°-90°	224.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1854	
5°	1368	108
15°	294	86
25°	47	24
35°	6	4
45°	2	1
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1854.5
1°	1815.5
2°	1735.8
3°	1631.1
4°	1505.3
5°	1367.9
6°	1225.1
7°	1084.2
8°	945.9
9°	812.0
10°	688.8
11°	576.2
12°	482.3
13°	405.1
14°	343.1
15°	294.3
16°	252.7
17°	216.3
18°	183.5
19°	155.1
20°	130.3
22.5°	79.8
25°	47.0
26°	35.5
27°	28.4
28°	21.3
29°	16.8
30°	13.3
32.5°	9.8
35°	6.2
37.5°	4.4
40°	3.5
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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)