

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: P246976

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246976
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-30)
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-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

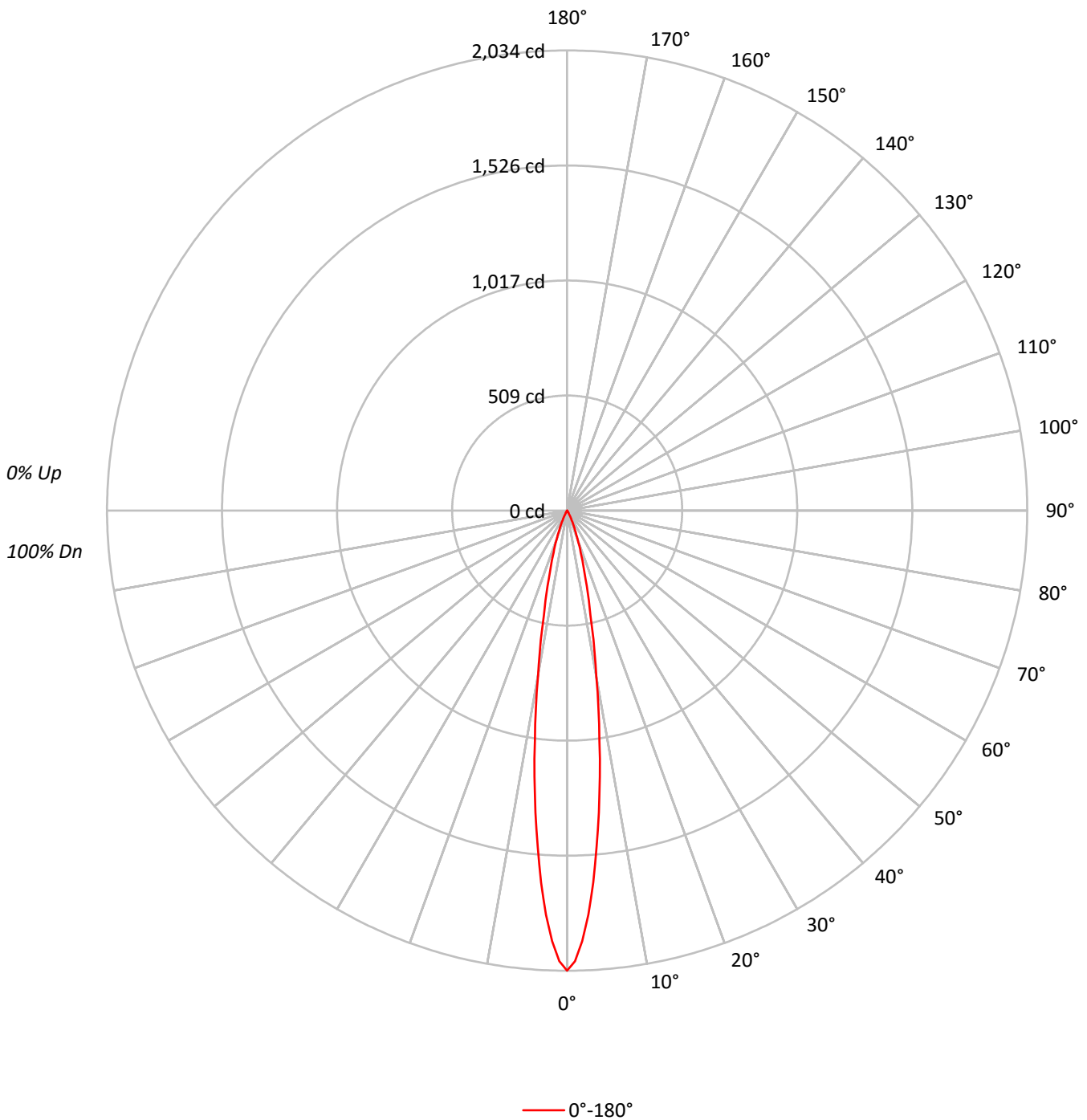
Lumens per Lamp: N/A
Luminaire Lumens: 241.5 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P246976
CATALOG NUMBER: 203-SS-8LED3025-12-BK-LVR

Luminous Intensity Polar Plot





TEST NUMBER: P246976

CATALOG NUMBER: 203-SS-8LED3025-12-BK-LVR

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	114	112	110	113	111	110	108	107	106	105	105	104	103	102	102	100	100	99	99	98	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	101	101	100	99	99	99	98	97	97	97	97	97	97
3	109	105	102	99	107	104	101	98	101	99	97	97	99	97	96	96	97	95	94	94	94	94	94	94
4	106	102	98	95	105	101	97	95	99	96	94	94	97	95	93	93	95	93	92	92	92	92	92	92
5	104	99	95	92	102	98	94	92	96	93	91	91	95	92	90	90	93	91	90	90	90	90	90	90
6	101	96	92	90	100	95	92	89	94	91	89	89	93	90	88	88	92	89	88	88	88	88	88	88
7	99	93	90	87	98	93	90	87	92	89	87	87	91	88	86	86	90	88	86	86	86	86	86	86
8	97	91	88	85	96	91	87	85	90	87	85	85	89	86	84	84	88	86	84	84	84	84	84	84
9	95	89	86	83	94	89	86	83	88	85	83	83	87	85	83	83	87	84	83	83	83	83	83	83
10	93	87	84	82	92	87	84	82	86	83	81	81	86	83	81	81	85	83	81	81	81	81	81	81

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	1003337
5°	738934
10°	373088
15°	159824
20°	70723
25°	26076
30°	7577
35°	3192
40°	1739
45°	1256
50°	691
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P246976

CATALOG NUMBER: 203-SS-8LED3025-12-BK-LVR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	48.8
10°-20°	93.4	38.7
20°-30°	25.1	10.4
30°-40°	3.8	1.6
40°-50°	1.2	0.5
50°-60°	0.1	0.0
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°	236.4	97.9
0°-40°	240.2	99.5
0°-60°	241.5	100.0
0°-90°	241.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2034	
5°	1492	118
15°	313	93
25°	48	25
35°	5	4
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P246976

CATALOG NUMBER: 203-SS-8LED3025-12-BK-LVR

CANDELA DISTRIBUTION (FULL):

0°	
0°	2033.6
1°	1992.0
2°	1905.1
3°	1788.9
4°	1648.0
5°	1492.0
6°	1341.3
7°	1185.2
8°	1027.4
9°	881.2
10°	744.7
12.5°	473.4
15°	312.9
17.5°	209.2
20°	134.7
22.5°	83.3
25°	47.9
27.5°	25.7
30°	13.3
32.5°	8.0
35°	5.3
37.5°	3.5
40°	2.7
42.5°	1.8
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.0
55°	0.0
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
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)