

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: G2-1802-569-30

Luminaire Tested: **203-SS-8LED4025-12-BK-LVR**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-30  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 04/06/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 203-SS-8LED4025-12-BK-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 4000K 95 CRI LED  
SM16-07-25D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

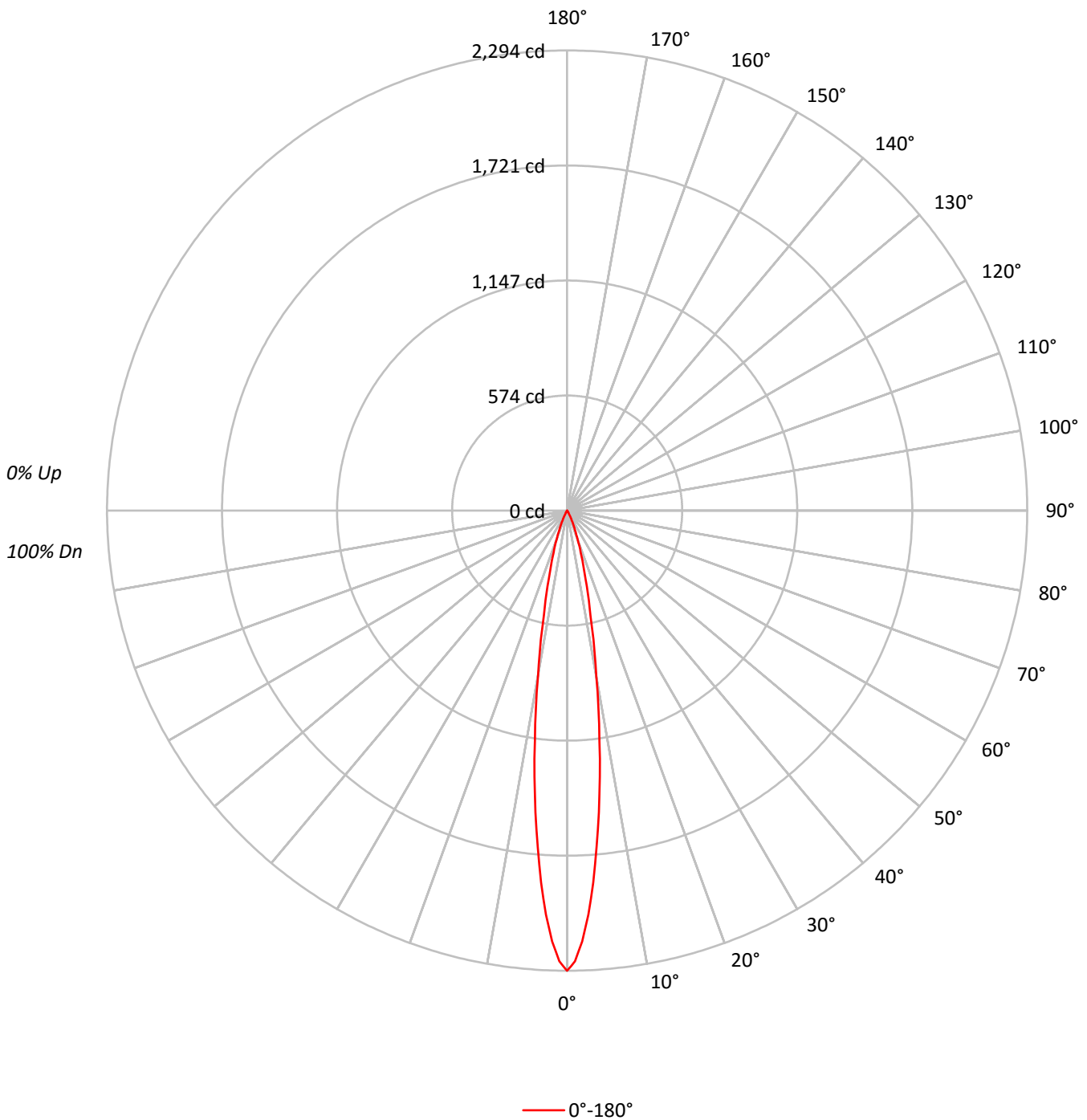
Lumens per Lamp: N/A  
Luminaire Lumens: 272.4 lumens  
Efficiency: N/A  
Efficacy: 34.1 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
Input Voltage (V): 12.0  
Input Current (A<sub>in</sub>): 0.693  
Voltage Rise (V): NR  
Power Factor: 0.991  
Total Harmonic Distortion (THDi): 27.0  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.0  
Test Distance: 25 FT



TEST NUMBER: G2-1802-569-30  
CATALOG NUMBER: 203-SS-8LED4025-12-BK-LVR

### Luminous Intensity Polar Plot





TEST NUMBER: G2-1802-569-30

CATALOG NUMBER: 203-SS-8LED4025-12-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	97	95	94	93
4	106	102	98	95	105	101	97	95	99	96	94	94	97	95	93	93	95	93	92	92	95	93	92	91
5	104	99	95	92	102	98	94	92	96	93	91	91	95	92	90	90	93	91	90	90	93	91	90	89
6	101	96	92	90	100	95	92	89	94	91	89	89	93	90	88	88	92	90	88	88	92	90	88	87
7	99	93	90	87	98	93	90	87	92	89	87	87	91	88	86	86	90	88	86	86	90	88	86	85
8	97	91	88	85	96	91	87	85	90	87	85	85	89	86	84	84	88	86	84	84	88	86	84	83
9	95	89	86	83	94	89	86	83	88	85	83	83	87	85	83	83	87	84	83	83	87	84	83	82
10	93	87	84	82	92	87	84	82	86	83	81	81	86	83	81	81	85	83	81	81	85	83	81	80

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1131813
5°	833530
10°	420832
15°	180307
20°	79807
25°	29397
30°	8546
35°	3614
40°	1932
45°	1395
50°	768
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: G2-1802-569-30

CATALOG NUMBER: 203-SS-8LED4025-12-BK-LVR

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.1	48.8
10°-20°	105.3	38.7
20°-30°	28.3	10.4
30°-40°	4.3	1.6
40°-50°	1.3	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°	266.7	97.9
0°-40°	271.0	99.5
0°-60°	272.4	100.0
0°-90°	272.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2294	
5°	1683	133
15°	353	105
25°	54	28
35°	6	4
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: G2-1802-569-30

CATALOG NUMBER: 203-SS-8LED4025-12-BK-LVR

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2294
1°	2247
2°	2149
3°	2018
4°	1859
5°	1683
6°	1513
7°	1337
8°	1159
9°	994
10°	840
12.5°	534
15°	353
17.5°	236
20°	152
22.5°	94
25°	54
27.5°	29
30°	15
32.5°	9
35°	6
37.5°	4
40°	3
42.5°	2
45°	2
47.5°	1
50°	1
52.5°	0
55°	0
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)