

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: P247016

Luminaire Tested: **230-8LED2725-12-BK**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247016  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 230-8LED2725-12-BK  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK  
Light Source: (1) SORAA 2700K 95 CRI 25°NFL LED SM16-07-25D-927-03  
Ballast/Driver: CHROMA POWER SUPPLY IN0004

**Summary**

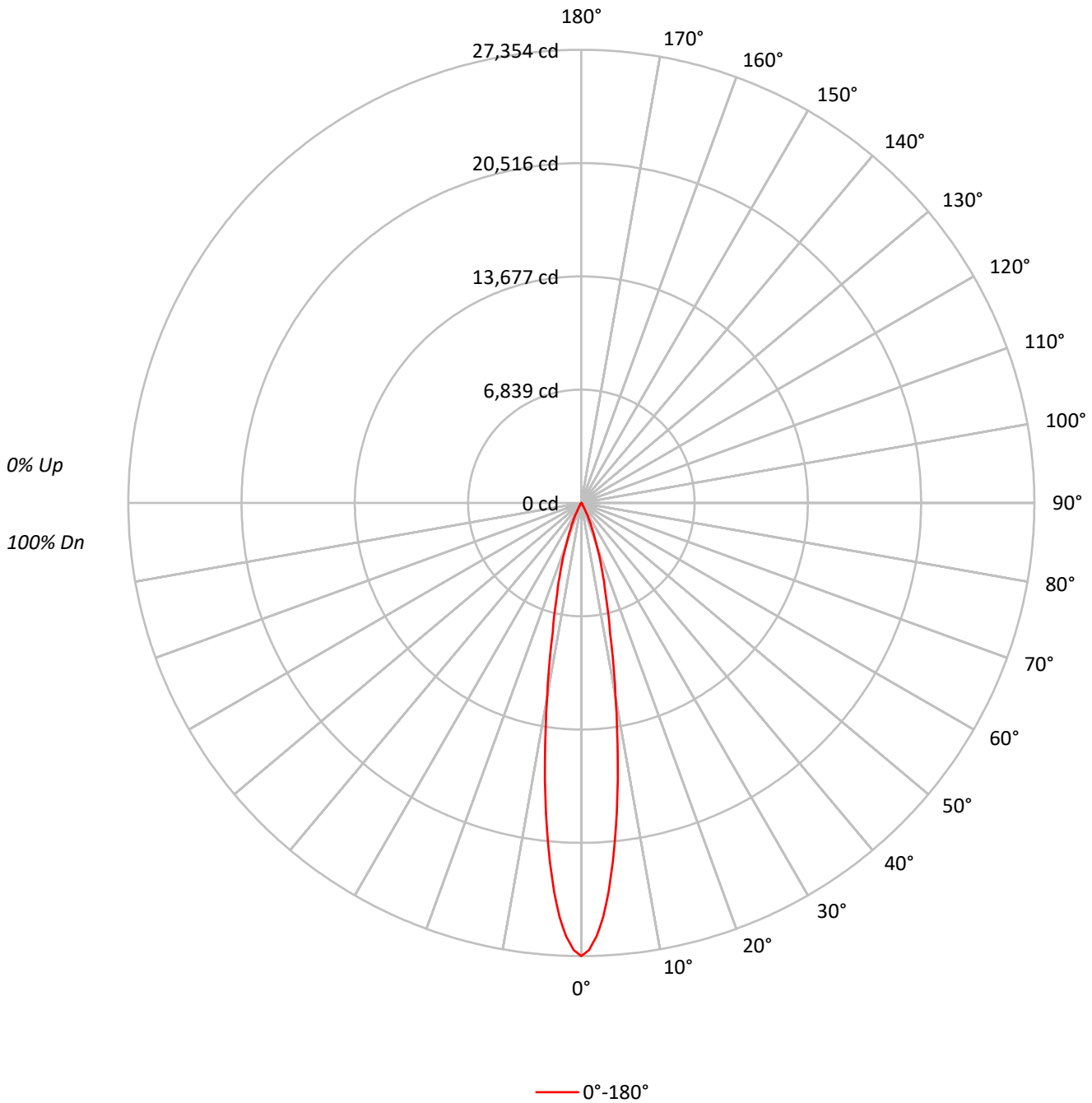
Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 506.3 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.33  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.9  
Input Voltage (V): NR  
Input Current (Ain): 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: P247016  
CATALOG NUMBER: 230-8LED2725-12-BK

### Luminous Intensity Polar Plot





TEST NUMBER: P247016

CATALOG NUMBER: 230-8LED2725-12-BK

**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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92
4	106	101	97	94	104	100	96	94	98	95	93	96	94	92	94	92	91	90
5	103	97	94	91	102	97	93	91	95	92	90	94	91	89	92	90	88	87
6	100	95	91	88	99	94	90	88	93	90	87	91	89	87	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	87	84	88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	87	85	82	87	84	82	81
9	93	87	84	81	93	87	83	81	86	83	81	85	83	81	85	82	80	79
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	81	79	78

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

	0°
0°	13495658
5°	10772937
10°	5944155
15°	2871986
20°	1408429
25°	593433
30°	134109
35°	51497
40°	27888
45°	14722
50°	8059
55°	9032
60°	10361
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P247016  
 CATALOG NUMBER: 230-8LED2725-12-BK

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1747.2	43.7
10°-20°	1635.9	40.9
20°-30°	525.7	13.1
30°-40°	63.4	1.6
40°-50°	17.1	0.4
50°-60°	9.4	0.2
60°-70°	1.3	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°	3908.8	97.7
0°-40°	3972.2	99.3
0°-60°	3998.7	100.0
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	27354	
5°	21752	###
15°	5623	1636
25°	1090	526
35°	86	63
45°	21	17
55°	10	9
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P247016  
CATALOG NUMBER: 230-8LED2725-12-BK

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	27353.5
1°	26978.8
2°	26188.5
3°	25044.5
4°	23527.0
5°	21751.9
6°	19828.1
7°	17839.9
8°	15797.9
9°	13788.6
10°	11864.8
12.5°	7973.9
15°	5622.7
17.5°	3986.9
20°	2682.5
22.5°	1731.8
25°	1090.1
27.5°	545.6
30°	235.4
32.5°	139.3
35°	85.5
37.5°	53.9
40°	43.3
42.5°	31.6
45°	21.1
47.5°	10.5
50°	10.5
52.5°	10.5
55°	10.5
57.5°	10.5
60°	10.5
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)