

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: P247029

Luminaire Tested: **230-8LED2736-12-BK-LVR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247029  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-34)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 230-8LED2736-12-BK-LVR  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK, HEX CELL LOUVER  
Light Source: (1) SORAA 2700K 95 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

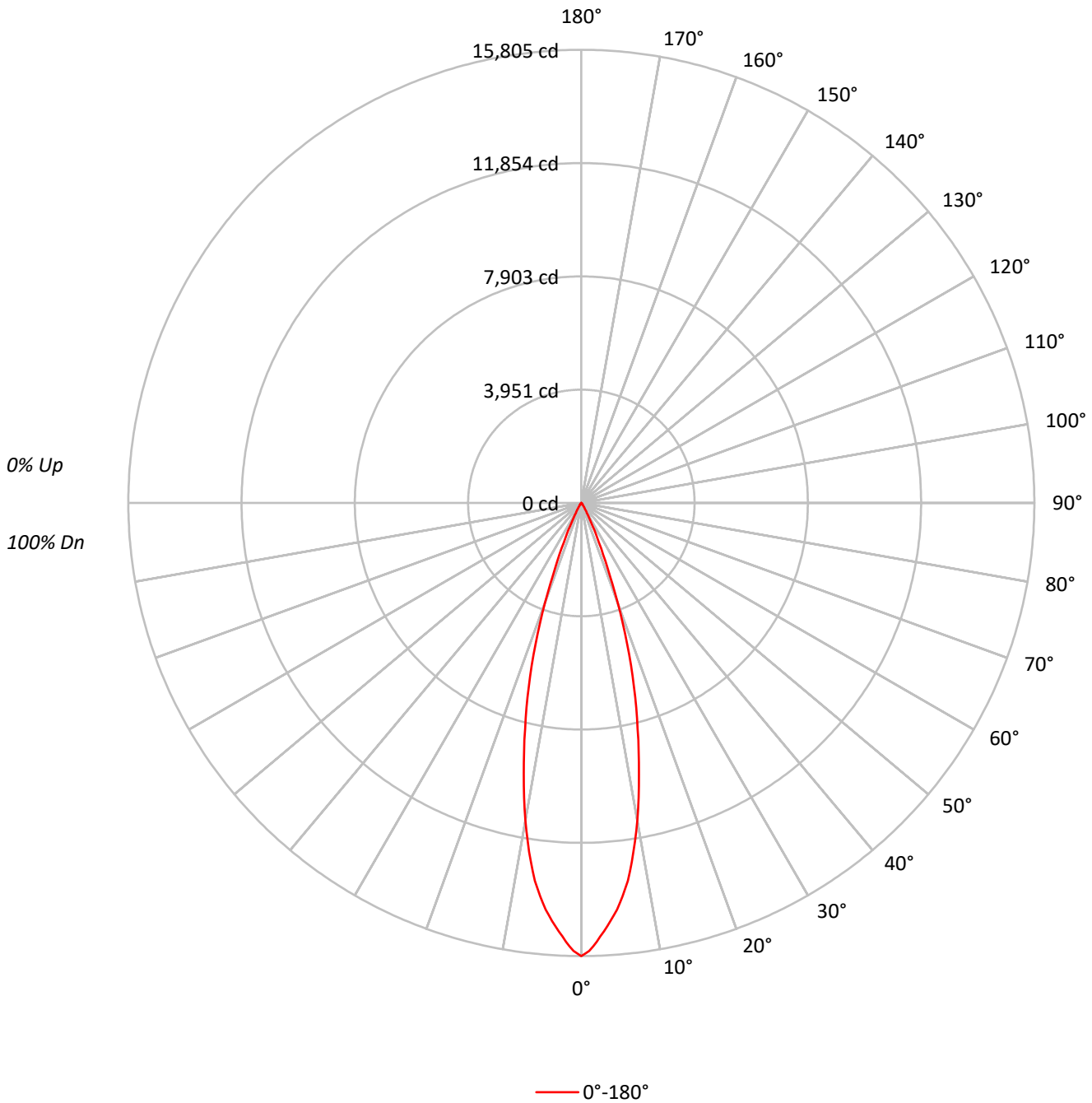
Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 512.8 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.8  
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



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	83	79	77	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	74	80	76	74	79	76	74	73

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

	0°
0°	7797962
5°	7050333
10°	5636496
15°	3777248
20°	1933158
25°	639706
30°	181223
35°	76433
40°	41413
45°	21839
50°	11974
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1265.5	31.6
10°-20°	1987.4	49.7
20°-30°	630.5	15.8
30°-40°	89.6	2.2
40°-50°	25.3	0.6
50°-60°	1.7	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°	3883.4	97.1
0°-40°	3973.0	99.3
0°-60°	4000.0	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°	15805	
5°	14236	###
15°	7395	1987
25°	1175	630
35°	127	90
45°	31	25
55°	0	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15805.2
1°	15631.4
2°	15313.2
3°	14965.6
4°	14616.2
5°	14235.5
6°	13790.4
7°	13282.8
8°	12648.3
9°	11965.2
10°	11250.7
11°	10473.6
12°	9663.6
13°	8886.5
14°	8125.1
15°	7395.0
16°	6664.9
17°	5919.1
18°	5157.7
19°	4412.0
20°	3681.9
21°	3014.3
22°	2444.1
23°	1952.2
24°	1507.2
25°	1175.1
26°	919.6
27°	683.2
28°	538.9
29°	396.3
30°	318.1
32.5°	191.2
35°	126.9
37.5°	80.0
40°	64.3
42.5°	46.9
45°	31.3
47.5°	15.6
50°	15.6
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0



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**CANDELA DISTRIBUTION (continued):**

	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)