

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: P247030

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247030  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-35)  
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-OSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK, OVERALL SPREAD LENS  
Light Source: (1) SORAA 2700K 95 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

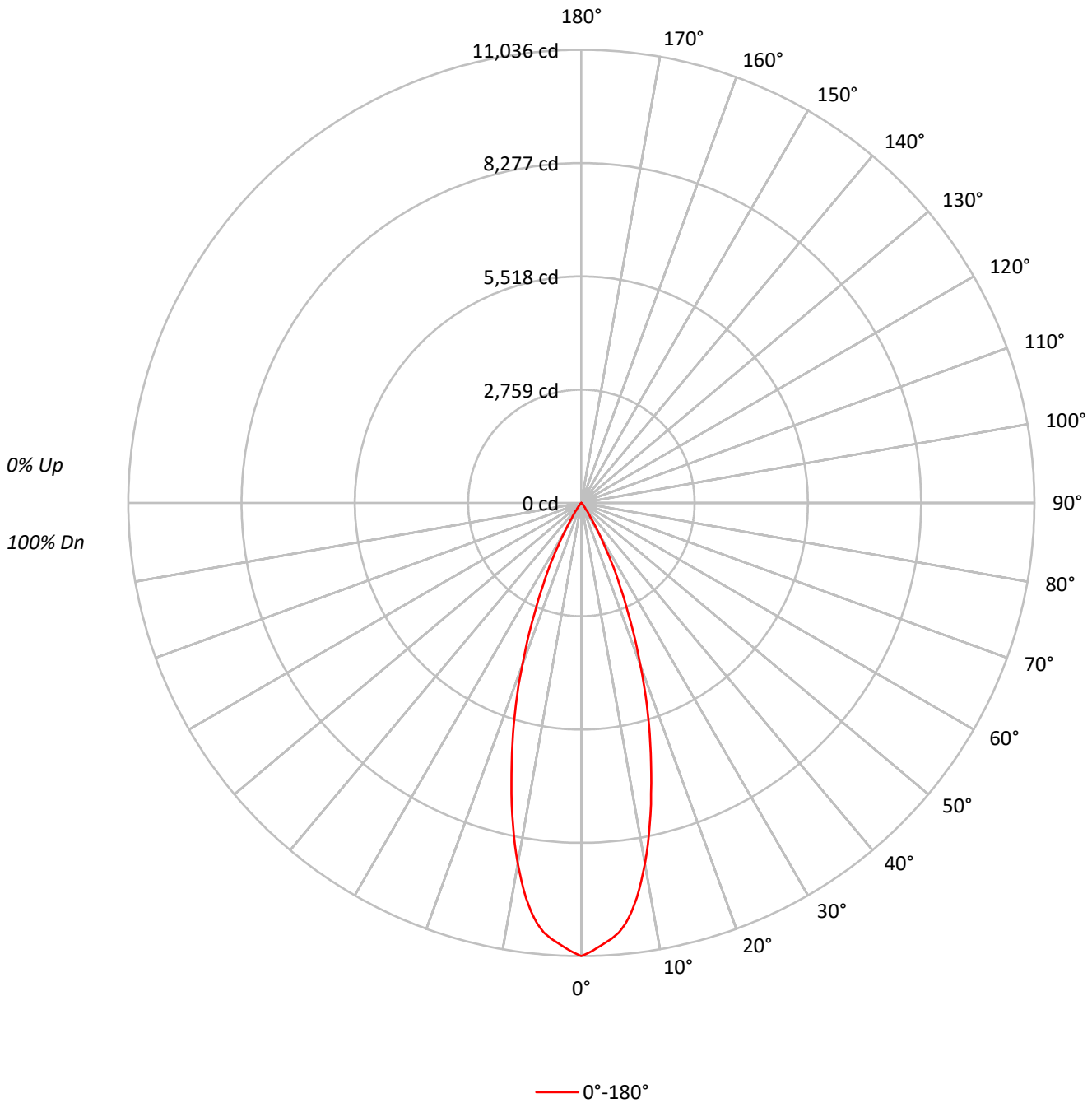
Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 519.5 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.56  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.7  
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	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	74	71	68	74	71	68	67

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

	0°
0°	5445085
5°	5201859
10°	4467184
15°	3350642
20°	2213479
25°	1205430
30°	485503
35°	142987
40°	53457
45°	24421
50°	8980
55°	10064
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	952.0	23.8
10°-20°	1791.4	44.8
20°-30°	1028.9	25.7
30°-40°	189.5	4.7
40°-50°	29.1	0.7
50°-60°	9.1	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°	3772.3	94.3
0°-40°	3961.8	99.0
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°	11036	
5°	10503	952
15°	6560	1791
25°	2214	1029
35°	237	190
45°	35	29
55°	12	9
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11036.3
1°	10953.3
2°	10846.9
3°	10740.6
4°	10634.2
5°	10503.2
6°	10302.1
7°	10029.7
8°	9710.6
9°	9318.9
10°	8916.7
11°	8478.3
12°	8004.8
13°	7531.4
14°	7034.6
15°	6559.8
16°	6086.3
17°	5624.5
18°	5162.7
19°	4689.3
20°	4215.8
21°	3765.7
22°	3350.6
23°	2936.8
24°	2558.0
25°	2214.3
26°	1906.8
27°	1611.1
28°	1325.7
29°	1066.3
30°	852.2
32.5°	426.8
35°	237.4
37.5°	129.7
40°	83.0
42.5°	48.0
45°	35.0
47.5°	23.3
50°	11.7
52.5°	11.7
55°	11.7
57.5°	11.7
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)