

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: P247032

Luminaire Tested: **230-8LED2736-12-CS-DIFF**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247032  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-44)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 230-8LED2736-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 2700K 90 CRI LED  
SM16-07-36D-927-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

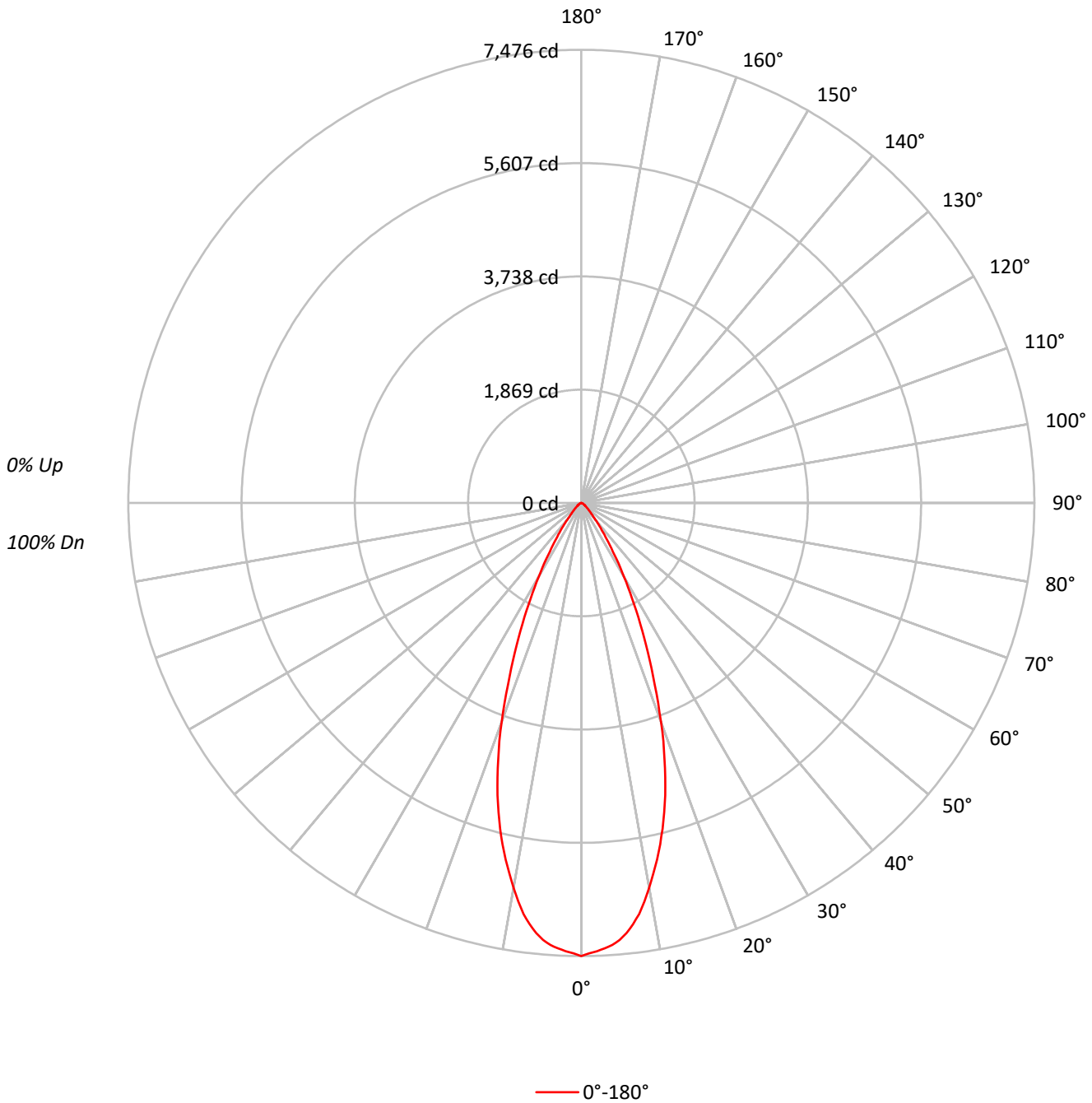
Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 519.5 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58

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

	0°
0°	3688555
5°	3584673
10°	3230589
15°	2700464
20°	2017007
25°	1337388
30°	805735
35°	439201
40°	230059
45°	135432
50°	91417
55°	64514
60°	43417
65°	34323
70°	42411
75°	28022
80°	41767
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	665.8	16.6
10°-20°	1443.9	36.1
20°-30°	1127.1	28.2
30°-40°	482.1	12.1
40°-50°	159.0	4.0
50°-60°	68.2	1.7
60°-70°	34.5	0.9
70°-80°	17.5	0.4
80°-90°	2.0	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°	3236.8	80.9
0°-40°	3718.9	93.0
0°-60°	3946.1	98.7
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°	7476	
5°	7238	666
15°	5287	1444
25°	2457	1127
35°	729	482
45°	194	159
55°	75	68
65°	29	34
75°	15	17
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7476.1
1°	7430.4
2°	7401.0
3°	7357.0
4°	7311.3
5°	7237.9
6°	7133.5
7°	6999.7
8°	6849.7
9°	6657.2
10°	6448.4
11°	6224.9
12°	6016.1
13°	5777.9
14°	5539.8
15°	5286.9
16°	5017.8
17°	4735.5
18°	4437.0
19°	4154.8
20°	3841.6
21°	3530.0
22°	3231.5
23°	2964.0
24°	2694.8
25°	2456.7
26°	2218.5
27°	1995.0
28°	1786.2
29°	1593.7
30°	1414.3
32.5°	1013.0
35°	729.2
37.5°	522.0
40°	357.2
42.5°	252.8
45°	194.1
47.5°	148.4
50°	119.1
52.5°	89.7
55°	75.0
57.5°	60.4
60°	44.0
62.5°	44.0
65°	29.4



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	29.4
70°	29.4
72.5°	14.7
75°	14.7
77.5°	14.7
80°	14.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)