

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: G2-1802-569-44

Luminaire Tested: **230-8LED4036-12-CS-DIFF**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-44  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-44)  
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: 230-8LED4036-12-CS-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD SILVER, DIFFUSED LENS  
Light Source: (1) SORAA 4000K 90 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

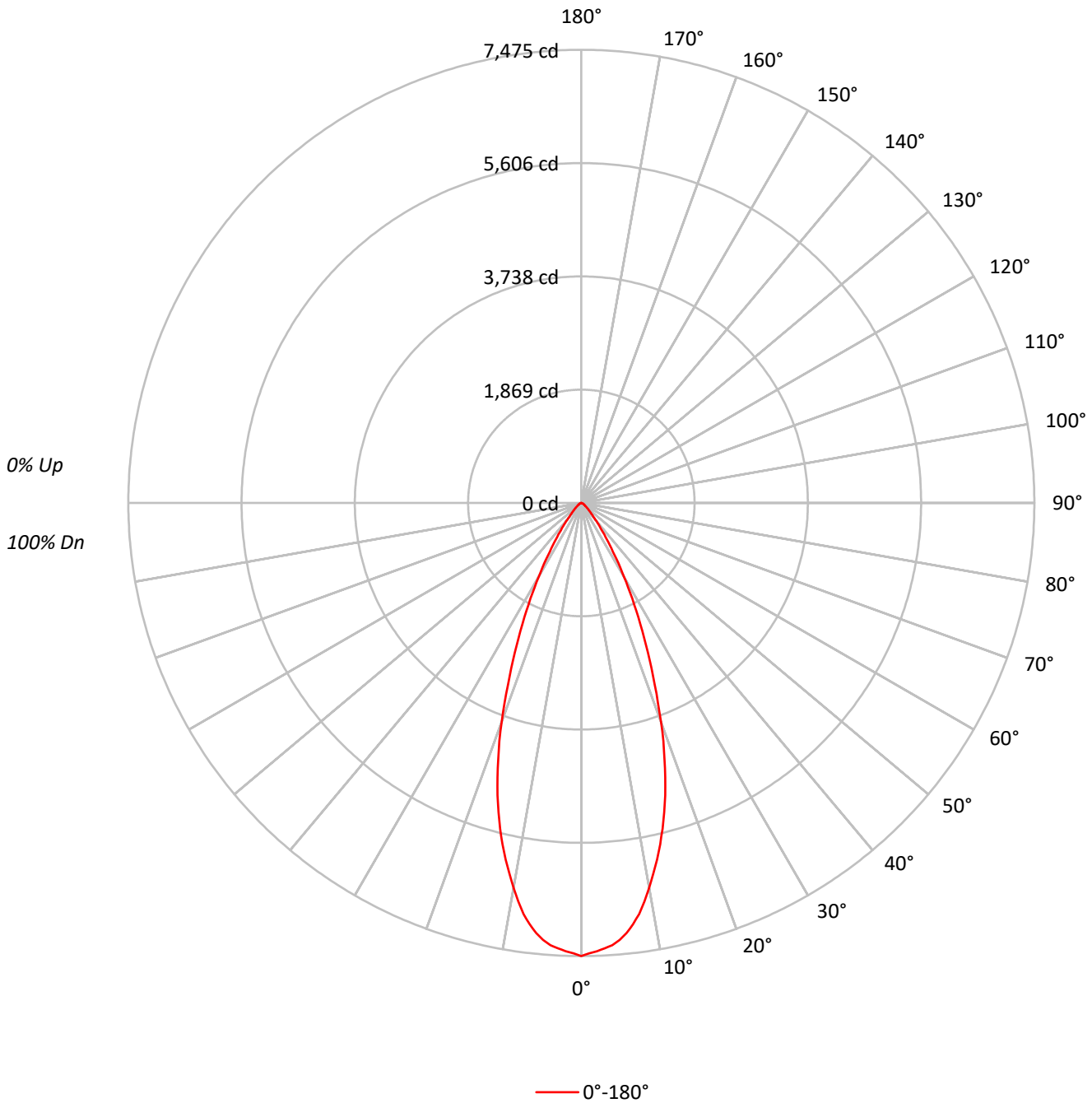
**Summary**

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): 12.0  
Input Current (Ain): 0.674  
Voltage Rise (V): NR  
Power Factor: 0.9902  
Total Harmonic Distortion (THDi): 27.5%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 25.2  
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	64	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°	3687815
5°	3583880
10°	3229987
15°	2699903
20°	2016955
25°	1337443
30°	805849
35°	439442
40°	230187
45°	135083
50°	91417
55°	63997
60°	44108
65°	34790
70°	42988
75°	28403
80°	42335
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	665.7	16.6
10°-20°	1443.7	36.1
20°-30°	1127.0	28.2
30°-40°	482.0	12.0
40°-50°	159.0	4.0
50°-60°	67.9	1.7
60°-70°	35.0	0.9
70°-80°	17.7	0.4
80°-90°	2.0	0.1
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°	3236.4	80.9
0°-40°	3718.4	93.0
0°-60°	3945.3	98.6
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°	7475	
5°	7236	666
15°	5286	1444
25°	2457	1127
35°	730	482
45°	194	159
55°	74	68
65°	30	35
75°	15	18
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7474.6
1°	7429.9
2°	7400.1
3°	7355.5
4°	7310.8
5°	7236.3
6°	7132.1
7°	6998.1
8°	6849.2
9°	6655.7
10°	6447.2
11°	6223.9
12°	6015.4
13°	5777.2
14°	5538.9
15°	5285.8
16°	5017.8
17°	4734.9
18°	4437.1
19°	4154.2
20°	3841.5
21°	3528.8
22°	3231.0
23°	2963.0
24°	2695.0
25°	2456.8
26°	2218.6
27°	1995.2
28°	1786.8
29°	1593.2
30°	1414.5
32.5°	1012.5
35°	729.6
37.5°	521.1
40°	357.4
42.5°	253.1
45°	193.6
47.5°	148.9
50°	119.1
52.5°	89.3
55°	74.4
57.5°	59.6
60°	44.7
62.5°	44.7
65°	29.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	29.8
70°	29.8
72.5°	14.9
75°	14.9
77.5°	14.9
80°	14.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)