

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: G2-1802-569-32

Luminaire Tested: **213-8LED4036-12-BK-DIFF**

Test Date: 04/06/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1802-569-32  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-32)  
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: 213-8LED4036-12-BK-DIFF  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,  
REGRESSED HOOD BLACK, DIFFUSED LENS  
Light Source: (1) SORAA 4000K 95 CRI LED  
SM16-07-36D-940-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

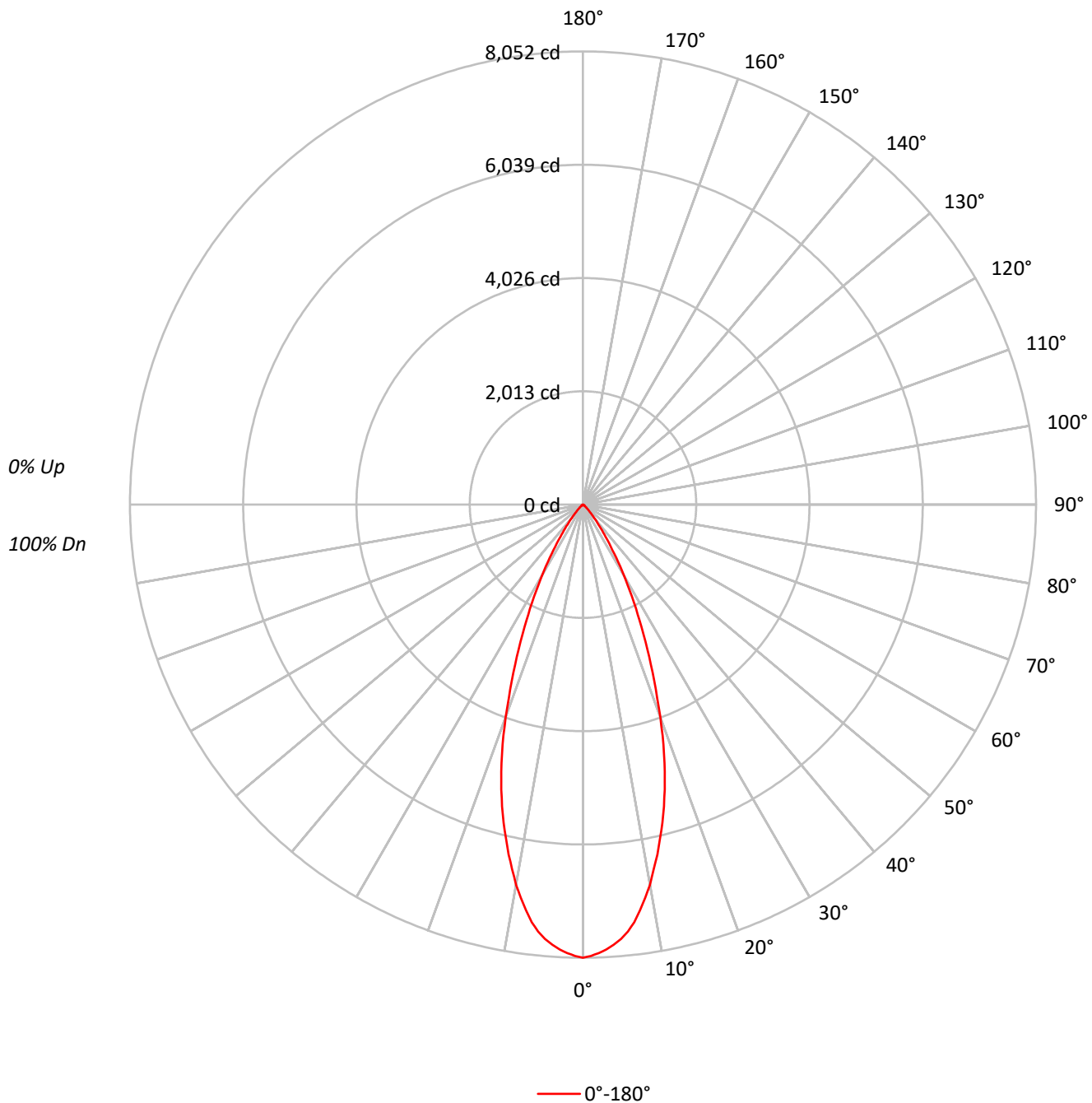
Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 512.8 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.65  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.8  
Input Voltage (V): 12.0  
Input Current (Ain): 0.682  
Voltage Rise (V): NR  
Power Factor: 0.9908  
Total Harmonic Distortion (THDi): 27.3%  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 3 HR  
Ambient Temperature (°C): 24.9  
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					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		98	98	97
2	109	105	102	99		107	103	100	98		100	98	95		97	95	93		95	93	91
3	105	99	95	91		103	98	94	91		95	92	89		93	90	88		91	89	87
4	100	94	89	85		99	93	88	85		91	87	84		89	86	83		87	84	82
5	96	89	84	80		95	88	83	80		86	82	79		85	81	79		83	80	78
6	92	85	79	76		91	84	79	76		82	78	75		81	77	75		80	77	74
7	89	81	75	72		87	80	75	72		79	74	71		78	74	71		77	73	71
8	85	77	72	68		84	76	71	68		75	71	68		74	70	68		74	70	67
9	82	74	68	65		81	73	68	65		72	68	65		71	67	64		71	67	64
10	79	70	65	62		78	70	65	62		69	65	62		69	64	62		68	64	61

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

	0°
0°	3972692
5°	3837951
10°	3434943
15°	2837252
20°	2105897
25°	1384205
30°	827782
35°	419325
40°	194957
45°	84497
50°	34847
55°	12989
60°	14900
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	710.9	17.8
10°-20°	1518.6	38.0
20°-30°	1170.2	29.3
30°-40°	471.1	11.8
40°-50°	107.2	2.7
50°-60°	20.1	0.5
60°-70°	1.8	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°	3399.8	85.0
0°-40°	3870.8	96.8
0°-60°	3998.2	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°	8052	
5°	7749	711
15°	5555	1519
25°	2543	1170
35°	696	471
45°	121	107
55°	15	20
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8052.0
1°	8021.7
2°	7976.3
3°	7915.8
4°	7840.1
5°	7749.3
6°	7628.2
7°	7476.9
8°	7280.1
9°	7068.2
10°	6856.3
11°	6599.0
12°	6356.8
13°	6084.4
14°	5827.1
15°	5554.7
16°	5267.1
17°	4964.4
18°	4661.7
19°	4343.8
20°	4010.9
21°	3677.9
22°	3375.2
23°	3087.6
24°	2815.2
25°	2542.7
26°	2285.4
27°	2073.5
28°	1846.5
29°	1634.6
30°	1453.0
32.5°	1029.2
35°	696.2
37.5°	484.3
40°	302.7
42.5°	196.8
45°	121.1
47.5°	75.7
50°	45.4
52.5°	30.3
55°	15.1
57.5°	15.1
60°	15.1
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)