

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: G2-1802-569-9

Luminaire Tested: **213-8LED4036-12-CS**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-9
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-9)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 213-8LED4036-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

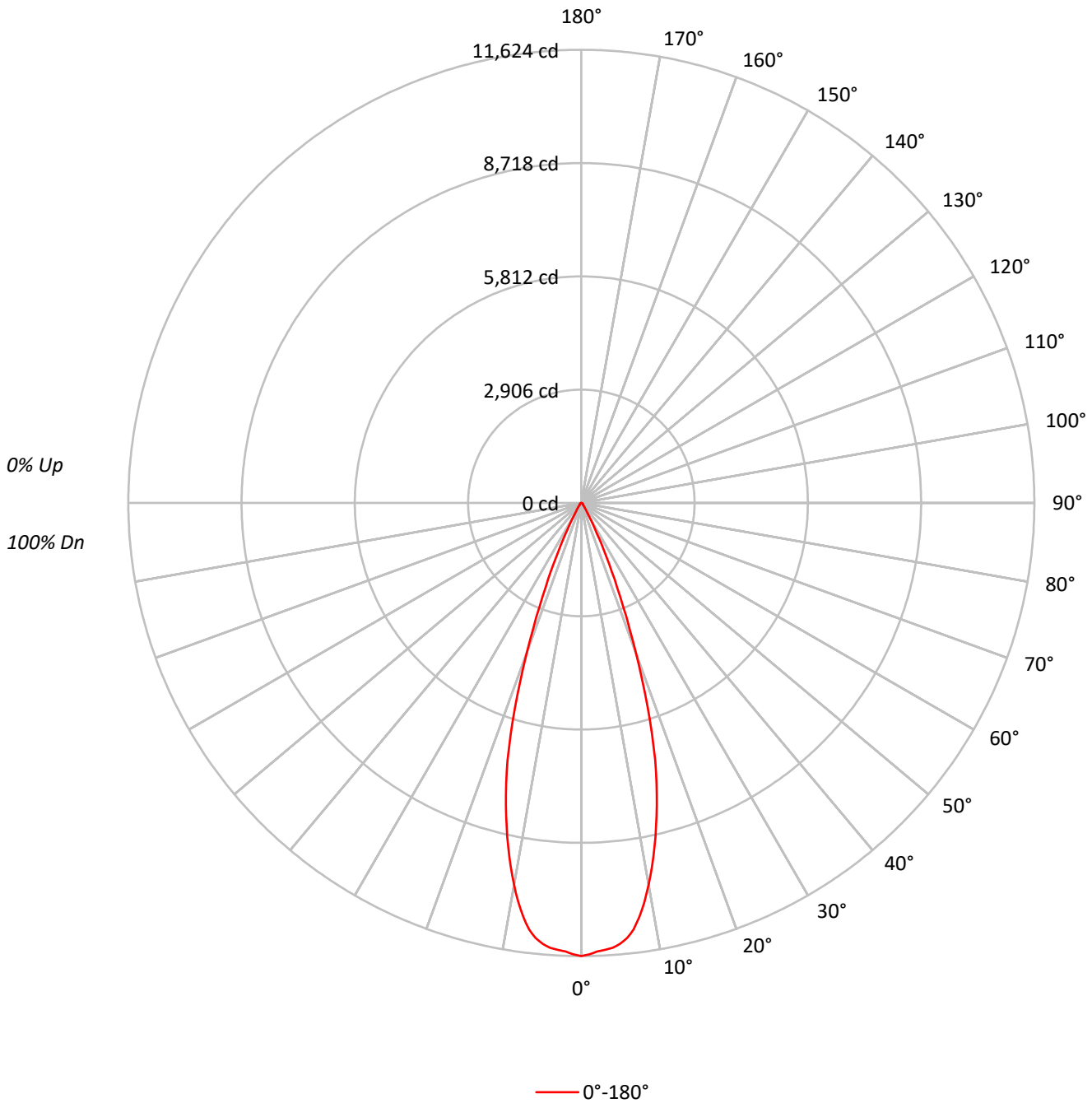
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 526.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): 12.0
Input Current (Ain): 0.667
Voltage Rise (V): NR
Power Factor: 0.9902
Total Harmonic Distortion (THDi): 27.4%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.3
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	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	108	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	82	78	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	75	73	78	75	73	78	75	72	71
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5734797
5°	5623428
10°	4982102
15°	3809632
20°	2152889
25°	843686
30°	226857
35°	97212
40°	55454
45°	37539
50°	33082
55°	37074
60°	21215
65°	12608
70°	15579
75°	20588
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1041.0	26.0
10°-20°	1976.9	49.4
20°-30°	763.9	19.1
30°-40°	117.3	2.9
40°-50°	45.5	1.1
50°-60°	33.6	0.8
60°-70°	14.6	0.4
70°-80°	7.1	0.2
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°	3781.9	94.5
0°-40°	3899.2	97.5
0°-60°	3978.3	99.5
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°	11624	
5°	11354	###
15°	7458	1977
25°	1550	764
35°	161	117
45°	54	45
55°	43	34
65°	11	15
75°	11	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11623.5
1°	11580.4
2°	11515.9
3°	11483.6
4°	11440.5
5°	11354.4
6°	11225.3
7°	11020.8
8°	10719.4
9°	10364.3
10°	9944.5
11°	9492.5
12°	9029.7
13°	8523.9
14°	7996.5
15°	7458.4
16°	6866.4
17°	6209.9
18°	5499.6
19°	4789.3
20°	4100.4
21°	3444.0
22°	2862.8
23°	2346.2
24°	1926.5
25°	1549.8
26°	1173.1
27°	893.3
28°	678.0
29°	516.6
30°	398.2
32.5°	247.5
35°	161.4
37.5°	118.4
40°	86.1
42.5°	64.6
45°	53.8
47.5°	53.8
50°	43.1
52.5°	43.1
55°	43.1
57.5°	32.3
60°	21.5
62.5°	21.5
65°	10.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.8
70°	10.8
72.5°	10.8
75°	10.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)