

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: G2-1802-569-46

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-46
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)
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-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

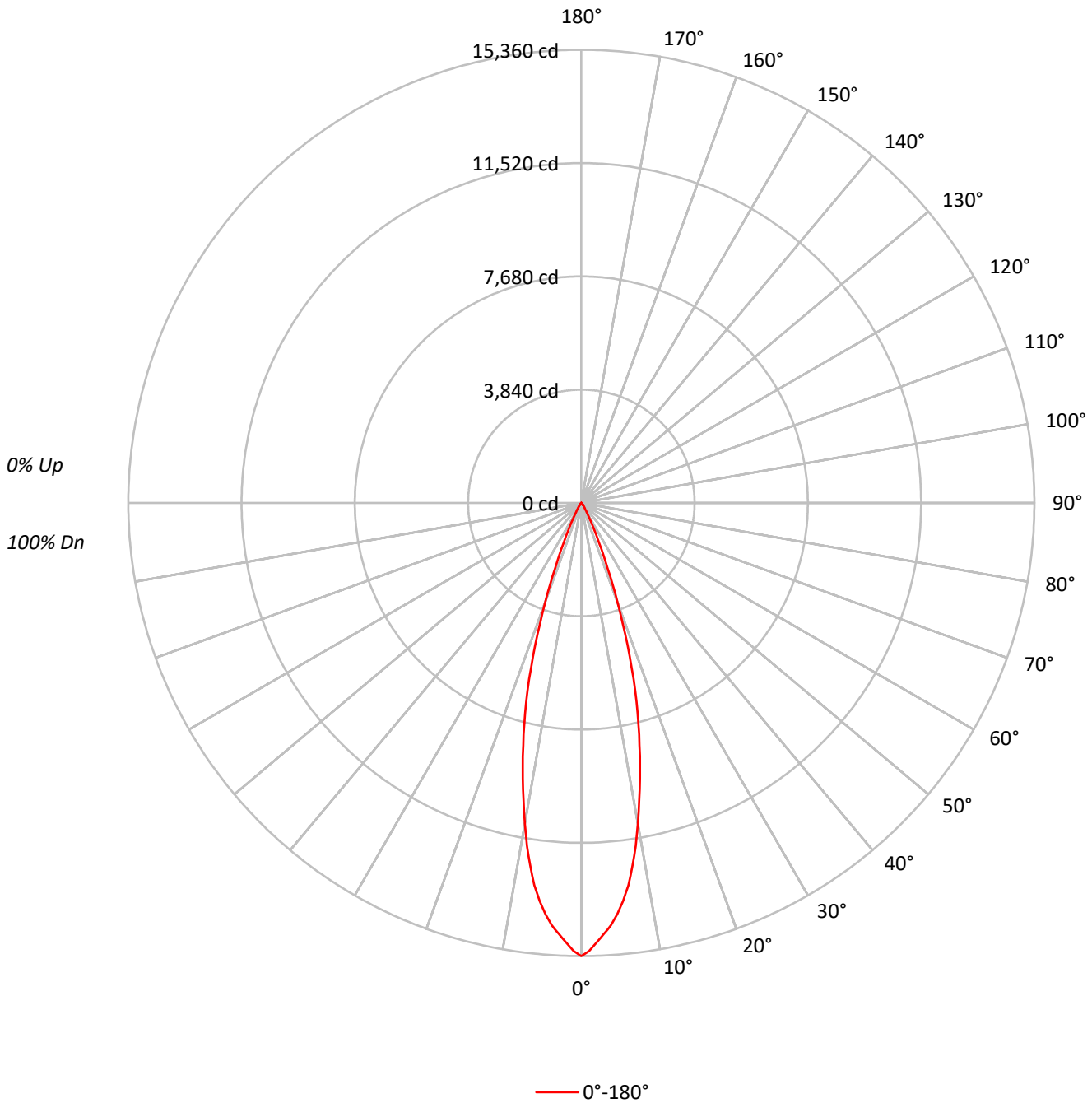
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 526.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): 12.0
Input Current (Ain): 0.669
Voltage Rise (V): NR
Power Factor: 0.9904
Total Harmonic Distortion (THDi): 27.4%
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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99	100	98	96	97	96	95	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	93	95	93	91	90
4	104	99	95	92	102	98	94	91	96	92	90	94	91	89	92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	87	91	88	86	90	87	85	84
6	98	92	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	92	86	81	78	91	85	81	78	84	81	78	83	80	78	82	80	77	76
9	90	83	79	76	89	83	79	76	82	78	76	81	78	75	80	77	75	74
10	87	81	76	74	87	80	76	74	80	76	73	79	76	73	78	75	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7578261
5°	6930677
10°	5530637
15°	3764581
20°	1884801
25°	648525
30°	199112
35°	95646
40°	51138
45°	33282
50°	12204
55°	13677
60°	15689
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1242.4	31.1
10°-20°	1962.3	49.1
20°-30°	627.1	15.7
30°-40°	107.9	2.7
40°-50°	36.2	0.9
50°-60°	14.3	0.4
60°-70°	9.8	0.2
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°	3831.8	95.8
0°-40°	3939.7	98.5
0°-60°	3990.2	99.8
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°	15360	
5°	13994	###
15°	7370	1962
25°	1191	627
35°	159	108
45°	48	36
55°	16	14
65°	0	10
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	15359.9
1°	15185.2
2°	14899.3
3°	14629.3
4°	14343.3
5°	13993.9
6°	13565.0
7°	13056.7
8°	12437.2
9°	11770.1
10°	11039.4
11°	10277.0
12°	9546.3
13°	8815.6
14°	8085.0
15°	7370.2
16°	6623.7
17°	5829.5
18°	5067.1
19°	4304.6
20°	3589.8
21°	2954.5
22°	2382.6
23°	1906.1
24°	1509.0
25°	1191.3
26°	905.4
27°	714.8
28°	555.9
29°	428.9
30°	349.5
32.5°	222.4
35°	158.8
37.5°	111.2
40°	79.4
42.5°	63.5
45°	47.7
47.5°	31.8
50°	15.9
52.5°	15.9
55°	15.9
57.5°	15.9
60°	15.9
62.5°	15.9
65°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.9
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)