

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: G2-1802-569-47

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

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-47
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

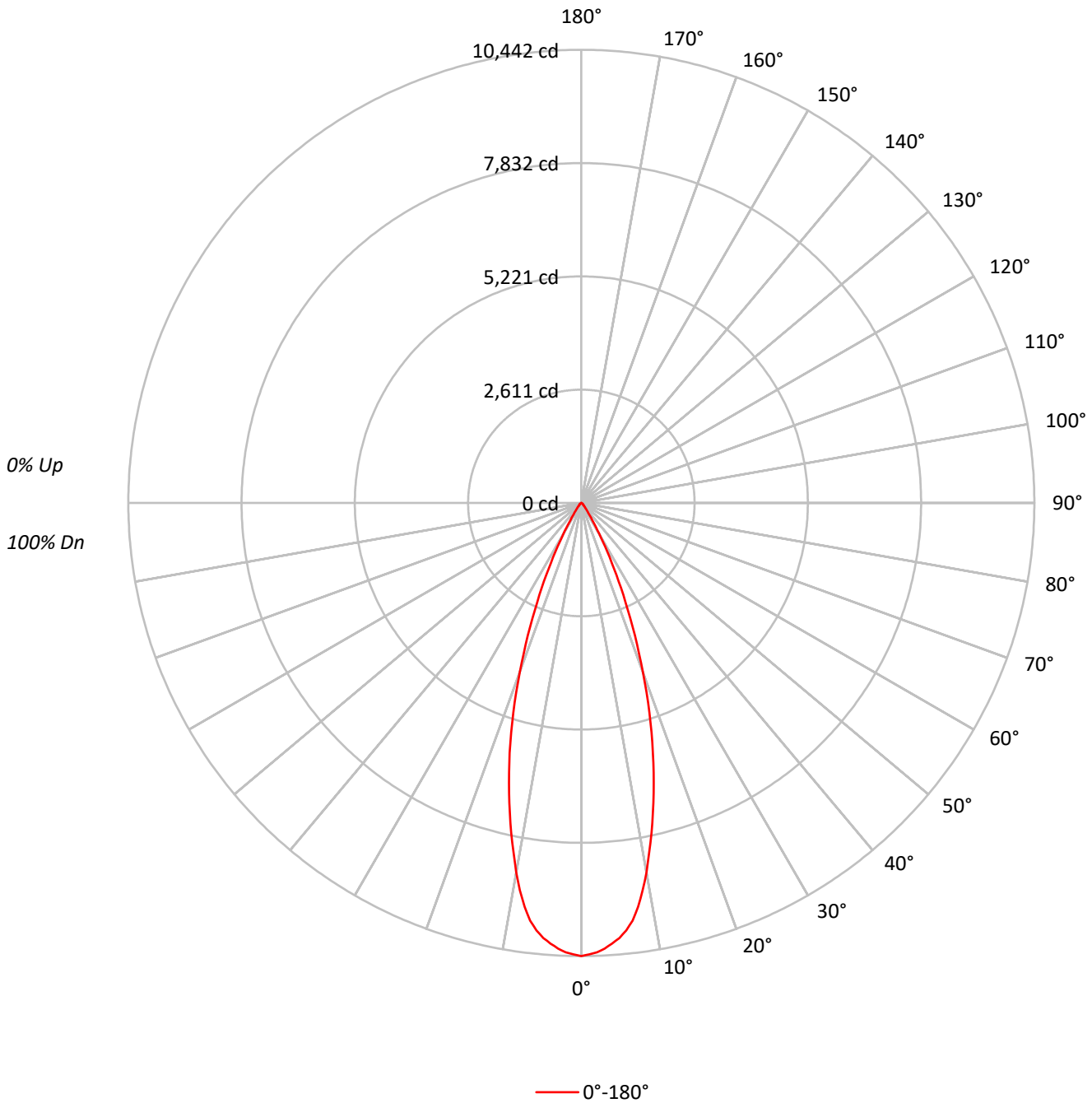
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 526.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): 12.0
Input Current (Ain): 0.671
Voltage Rise (V): NR
Power Factor: 0.9903
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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	87	84	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
6	95	88	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5151771
5°	4983942
10°	4328710
15°	3288019
20°	2174888
25°	1174345
30°	464139
35°	165875
40°	81281
45°	48005
50°	35231
55°	29590
60°	22597
65°	26734
70°	16589
75°	21922
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.4	22.9
10°-20°	1752.4	43.8
20°-30°	1003.2	25.1
30°-40°	206.7	5.2
40°-50°	58.1	1.5
50°-60°	33.2	0.8
60°-70°	18.4	0.5
70°-80°	10.6	0.3
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°	3673.0	91.8
0°-40°	3879.7	97.0
0°-60°	3971.0	99.3
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°	10442	
5°	10063	917
15°	6437	1752
25°	2157	1003
35°	275	207
45°	69	58
55°	34	33
65°	23	18
75°	12	11
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10441.8
1°	10407.4
2°	10361.5
3°	10281.2
4°	10177.9
5°	10063.2
6°	9902.5
7°	9696.0
8°	9397.7
9°	9041.9
10°	8640.3
11°	8204.3
12°	7768.3
13°	7332.2
14°	6884.7
15°	6437.2
16°	5989.7
17°	5530.7
18°	5083.2
19°	4612.8
20°	4142.3
21°	3706.3
22°	3293.2
23°	2880.1
24°	2501.5
25°	2157.2
26°	1847.4
27°	1549.1
28°	1273.7
29°	1021.2
30°	814.7
32.5°	447.5
35°	275.4
37.5°	172.1
40°	126.2
42.5°	91.8
45°	68.8
47.5°	57.4
50°	45.9
52.5°	45.9
55°	34.4
57.5°	34.4
60°	22.9
62.5°	22.9
65°	22.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.5
70°	11.5
72.5°	11.5
75°	11.5
77.5°	11.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)