

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: P247035

Luminaire Tested: **230-8LED2736-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247035
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED2736-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

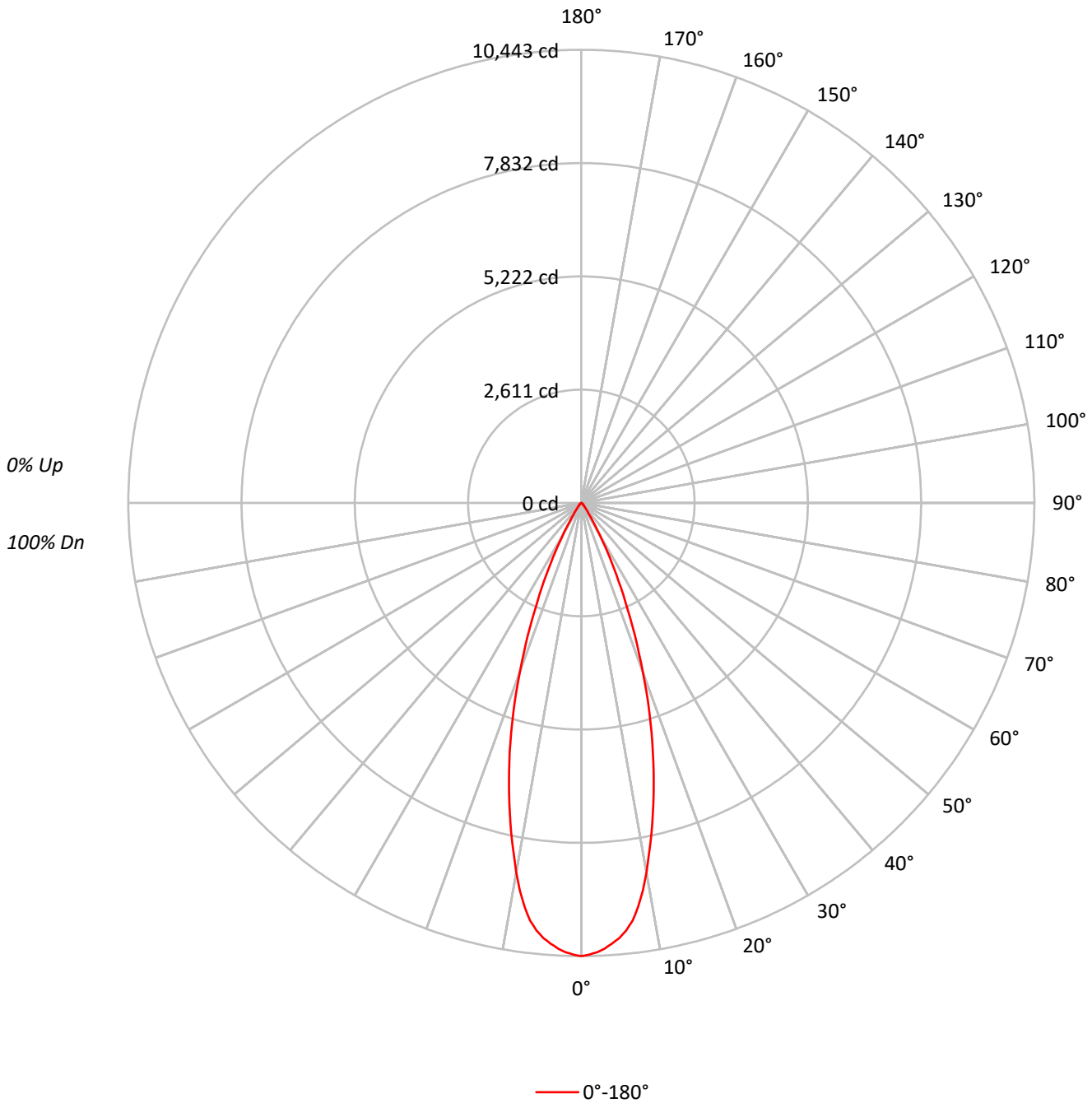
Lumens per Lamp: N/A
Luminaire Lumens: 3999.9 lumens
Efficiency: N/A
Efficacy: 526.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
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	85	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°	5152264
5°	4984537
10°	4329211
15°	3288224
20°	2175465
25°	1174345
30°	464082
35°	165815
40°	80959
45°	48214
50°	35692
55°	29160
60°	22301
65°	26384
70°	16301
75°	21541
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.5	22.9
10°-20°	1752.6	43.8
20°-30°	1003.2	25.1
30°-40°	206.6	5.2
40°-50°	58.2	1.5
50°-60°	33.2	0.8
60°-70°	18.1	0.5
70°-80°	10.4	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°	3673.3	91.8
0°-40°	3880.0	97.0
0°-60°	3971.3	99.3
0°-90°	3999.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3999.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10443	
5°	10064	918
15°	6438	1753
25°	2157	1003
35°	275	207
45°	69	58
55°	34	33
65°	23	18
75°	11	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10442.8
1°	10408.8
2°	10362.3
3°	10281.9
4°	10178.8
5°	10064.4
6°	9903.5
7°	9697.3
8°	9399.4
9°	9043.6
10°	8641.3
11°	8205.1
12°	7768.9
13°	7332.7
14°	6885.2
15°	6437.6
16°	5990.1
17°	5531.3
18°	5083.7
19°	4613.6
20°	4143.4
21°	3707.2
22°	3293.6
23°	2880.0
24°	2501.6
25°	2157.2
26°	1847.9
27°	1548.8
28°	1273.4
29°	1020.8
30°	814.6
32.5°	447.5
35°	275.3
37.5°	172.2
40°	125.7
42.5°	91.8
45°	69.1
47.5°	57.8
50°	46.5
52.5°	46.5
55°	33.9
57.5°	33.9
60°	22.6
62.5°	22.6
65°	22.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.3
70°	11.3
72.5°	11.3
75°	11.3
77.5°	11.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)