

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: P246992

Luminaire Tested: **230-8LED3036-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246992
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: 230-8LED3036-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

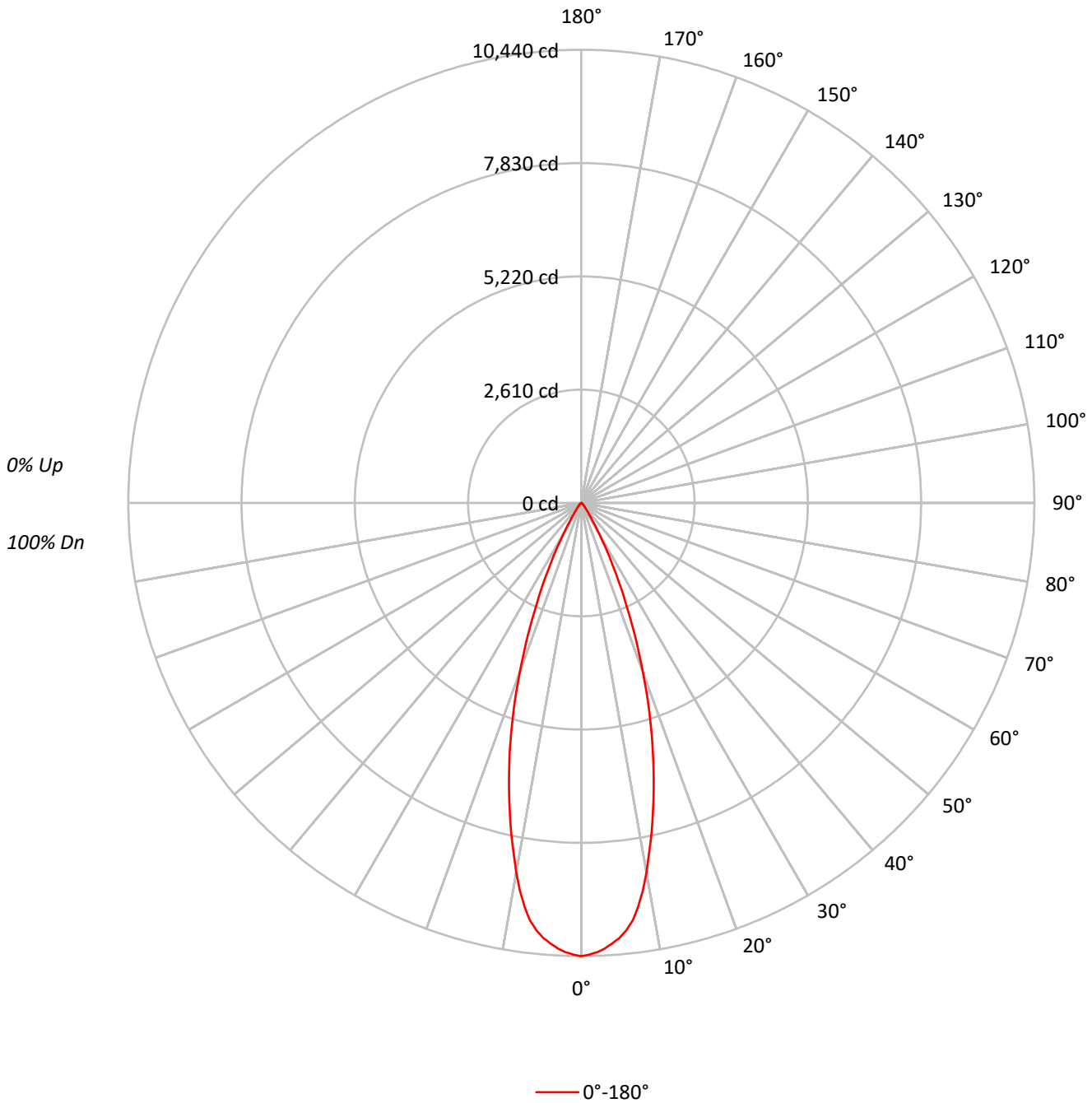
Lumens per Lamp: N/A
Luminaire Lumens: 3999.9 lumens
Efficiency: N/A
Efficacy: 526.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.57
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	5151031
5°	4983546
10°	4327959
15°	3287406
20°	2174415
25°	1174454
30°	463740
35°	166056
40°	81667
45°	47865
50°	34771
55°	30020
60°	22991
65°	27201
70°	16734
75°	22113
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.3	22.9
10°-20°	1752.2	43.8
20°-30°	1003.0	25.1
30°-40°	206.8	5.2
40°-50°	57.9	1.4
50°-60°	33.3	0.8
60°-70°	18.7	0.5
70°-80°	10.7	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°	3672.5	91.8
0°-40°	3879.3	97.0
0°-60°	3970.5	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°	10440	
5°	10062	917
15°	6436	1752
25°	2157	1003
35°	276	207
45°	69	58
55°	35	33
65°	23	19
75°	12	11
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10440.3
1°	10406.6
2°	10360.0
3°	10279.8
4°	10176.3
5°	10062.4
6°	9900.6
7°	9694.8
8°	9395.9
9°	9041.3
10°	8638.8
11°	8202.6
12°	7767.8
13°	7331.6
14°	6883.8
15°	6436.0
16°	5989.5
17°	5530.1
18°	5082.3
19°	4612.5
20°	4141.4
21°	3705.3
22°	3292.4
23°	2879.6
24°	2501.7
25°	2157.4
26°	1846.8
27°	1549.2
28°	1273.5
29°	1021.1
30°	814.0
32.5°	447.8
35°	275.7
37.5°	172.1
40°	126.8
42.5°	91.9
45°	68.6
47.5°	56.9
50°	45.3
52.5°	45.3
55°	34.9
57.5°	34.9
60°	23.3
62.5°	23.3
65°	23.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.6
70°	11.6
72.5°	11.6
75°	11.6
77.5°	11.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)