Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: **213-8LED3036-12-CS-OSL**

Issue Date: 3/3/2020

Report Generated By 670245982 / DESKTOP-J4ASI0N

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Scaled Data Report

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:	213-8LED3036-12-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:	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):	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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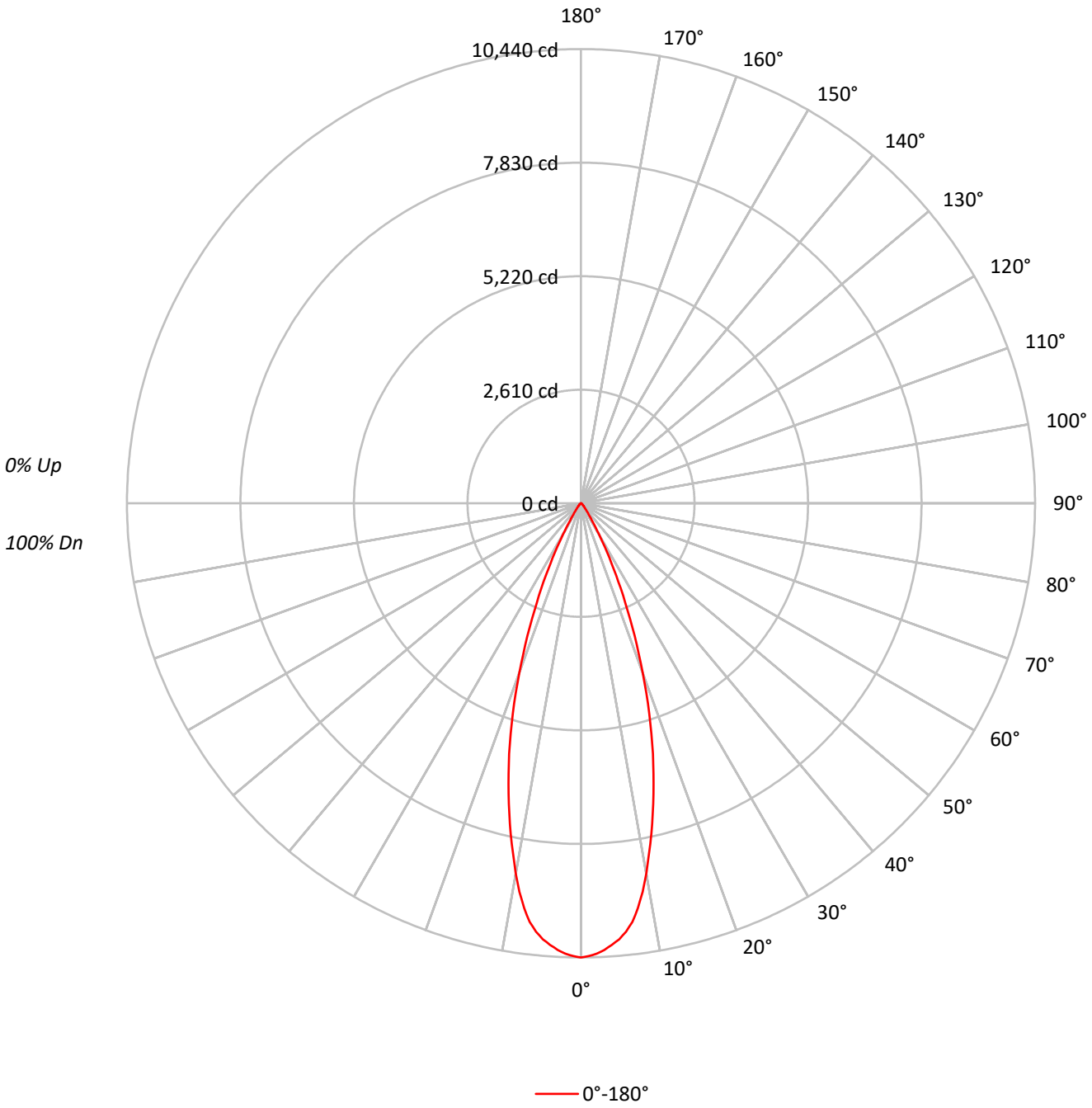
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	5151129
5°	4983645
10°	4328059
15°	3287509
20°	2174468
25°	1174509
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°	1003.1	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°	3672.6	91.8
0°-40°	3879.3	97.0
0°-60°	3970.6	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°	10440	
5°	10063	917
15°	6436	1752
25°	2158	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°	10440.5
1°	10406.8
2°	10360.2
3°	10280.0
4°	10176.5
5°	10062.6
6°	9900.8
7°	9695.0
8°	9396.1
9°	9041.5
10°	8639.0
11°	8202.8
12°	7768.0
13°	7331.8
14°	6884.0
15°	6436.2
16°	5989.6
17°	5530.2
18°	5082.4
19°	4612.6
20°	4141.5
21°	3705.4
22°	3292.5
23°	2879.7
24°	2501.8
25°	2157.5
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)