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: P246959

Luminaire Tested: **203-FL-8LED3025-12-BK-OSL**

Issue Date: 3/3/2020

Report Generated By E9808136 / USAU2WHP6039969

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Test Information

Test Method:	LM-79-08
Report Number:	P246959
	REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-19)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMIERE
Catalog Number:	203-FL-8LED3025-12-BK-OSL
Description:	CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, FLUSH HOOD BLACK, OVERALL SPREAD LENS
Light Source:	(1) SORAA 3000K 90 CRI LED SM16-07-25D-930-03
Ballast/Driver:	(1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	339.9 lumens
Efficiency:	N/A
Efficacy:	43.6 lumens/watt
Spacing Criteria (0/90/45):	0.44 / 0.44 / 0.45
Luminous Opening:	Circular (Dia: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	7.8
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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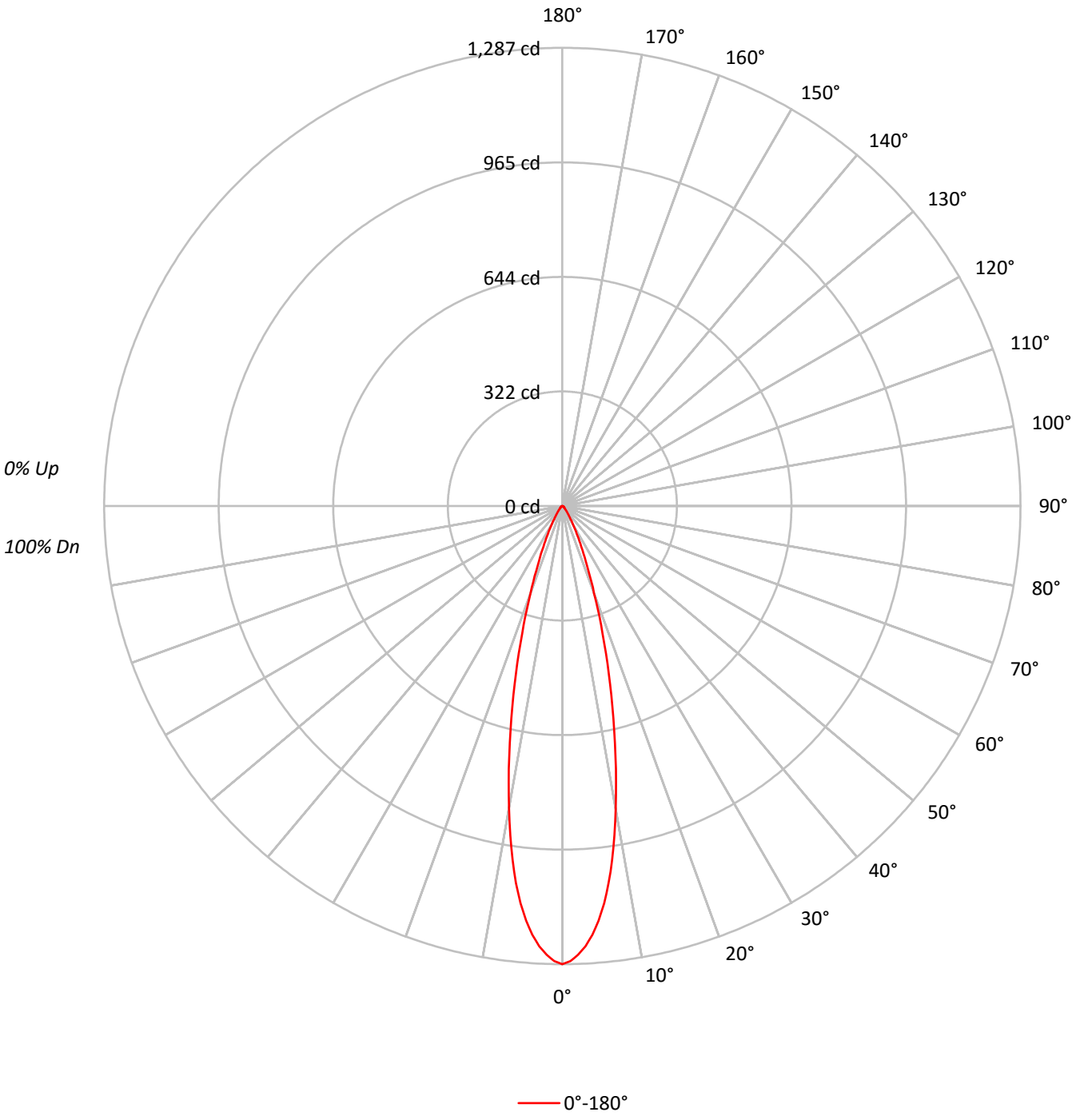
Luminous Intensity Polar Plot



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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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	88
4	103	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	76	75
8	90	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70
10	85	77	73	70	84	77	73	70	76	72	70	75	72	69	75	72	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	635078
5°	579112
10°	432555
15°	264433
20°	136826
25°	68048
30°	33841
35°	17105
40°	9725
45°	6838
50°	4759
55°	3785
60°	3454
65°	3152
70°	2597
75°	1716
80°	2557
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	29.9
10°-20°	142.2	41.8
20°-30°	61.1	18.0
30°-40°	19.4	5.7
40°-50°	7.6	2.3
50°-60°	4.2	1.2
60°-70°	2.4	0.7
70°-80°	1.1	0.3
80°-90°	0.1	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°	305.0	89.7
0°-40°	324.4	95.4
0°-60°	336.3	98.9
0°-90°	339.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	339.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1287	
5°	1169	102
15°	518	142
25°	125	61
35°	28	19
45°	10	8
55°	4	4
65°	3	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1287.2
1°	1278.3
2°	1261.5
3°	1238.4
4°	1207.4
5°	1169.3
6°	1122.3
7°	1067.3
8°	1003.5
9°	936.1
10°	863.4
11°	789.9
12°	718.1
13°	646.3
14°	580.7
15°	517.7
17.5°	374.1
20°	260.6
22.5°	179.1
25°	125.0
27.5°	86.9
30°	59.4
32.5°	40.8
35°	28.4
37.5°	20.4
40°	15.1
42.5°	11.5
45°	9.8
47.5°	8.0
50°	6.2
52.5°	5.3
55°	4.4
57.5°	4.4
60°	3.5
62.5°	2.7
65°	2.7
67.5°	1.8
70°	1.8
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0

TEST NUMBER: P246959
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CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

(END OF REPORT)