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: P246982

Luminaire Tested: **230-8LED3025-12-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:	P246982
	REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMIERE
Catalog Number:	230-8LED3025-12-CS-OSL
Description:	CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, 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:	4000.0 lumens
Efficiency:	N/A
Efficacy:	526.3 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):	7.6
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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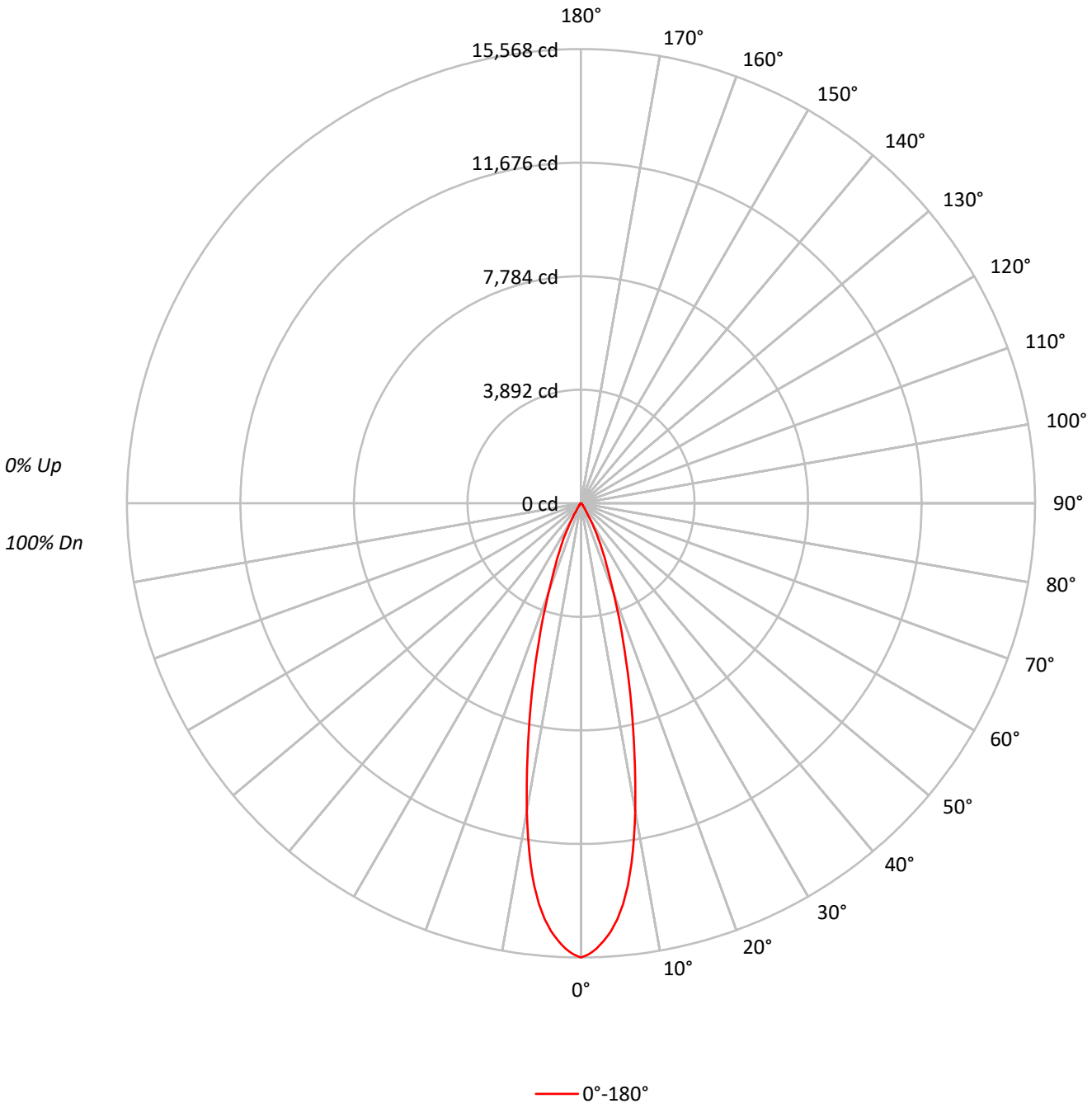
Luminous Intensity Polar Plot



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	78	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7681031
5°	7088865
10°	5356242
15°	3245522
20°	1716997
25°	880432
30°	347293
35°	120280
40°	60477
45°	40609
50°	35538
55°	30708
60°	23485
65°	13892
70°	17166
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1251.4	31.3
10°-20°	1748.0	43.7
20°-30°	755.8	18.9
30°-40°	151.0	3.8
40°-50°	46.9	1.2
50°-60°	29.0	0.7
60°-70°	13.2	0.3
70°-80°	4.7	0.1
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°	3755.3	93.9
0°-40°	3906.2	97.7
0°-60°	3982.1	99.6
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°	15568	
5°	14313	###
15°	6354	1748
25°	1617	756
35°	200	151
45°	58	47
55°	36	29
65°	12	13
75°	0	5
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	15568.2
1°	15462.5
2°	15274.7
3°	15016.8
4°	14700.8
5°	14313.3
6°	13809.5
7°	13199.9
8°	12450.1
9°	11605.1
10°	10691.3
11°	9741.9
12°	8826.8
13°	7959.3
14°	7127.6
15°	6354.0
16°	5614.8
17°	4947.0
18°	4349.3
19°	3775.4
20°	3270.2
21°	2824.6
22°	2450.3
23°	2133.0
24°	1864.5
25°	1617.3
26°	1383.2
27°	1171.6
28°	961.4
29°	773.6
30°	609.6
32.5°	316.0
35°	199.7
37.5°	129.6
40°	93.9
42.5°	70.1
45°	58.2
47.5°	46.3
50°	46.3
52.5°	35.7
55°	35.7
57.5°	23.8
60°	23.8
62.5°	11.9
65°	11.9

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*11.9*
70°	*11.9*
72.5°	*11.9*
75°	*0.0*
77.5°	*0.0*
80°	*0.0*
82.5°	*0.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)