

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: P247005

Luminaire Tested: **203-FL-8LED2736-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247005
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED2736-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, FLUSH HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

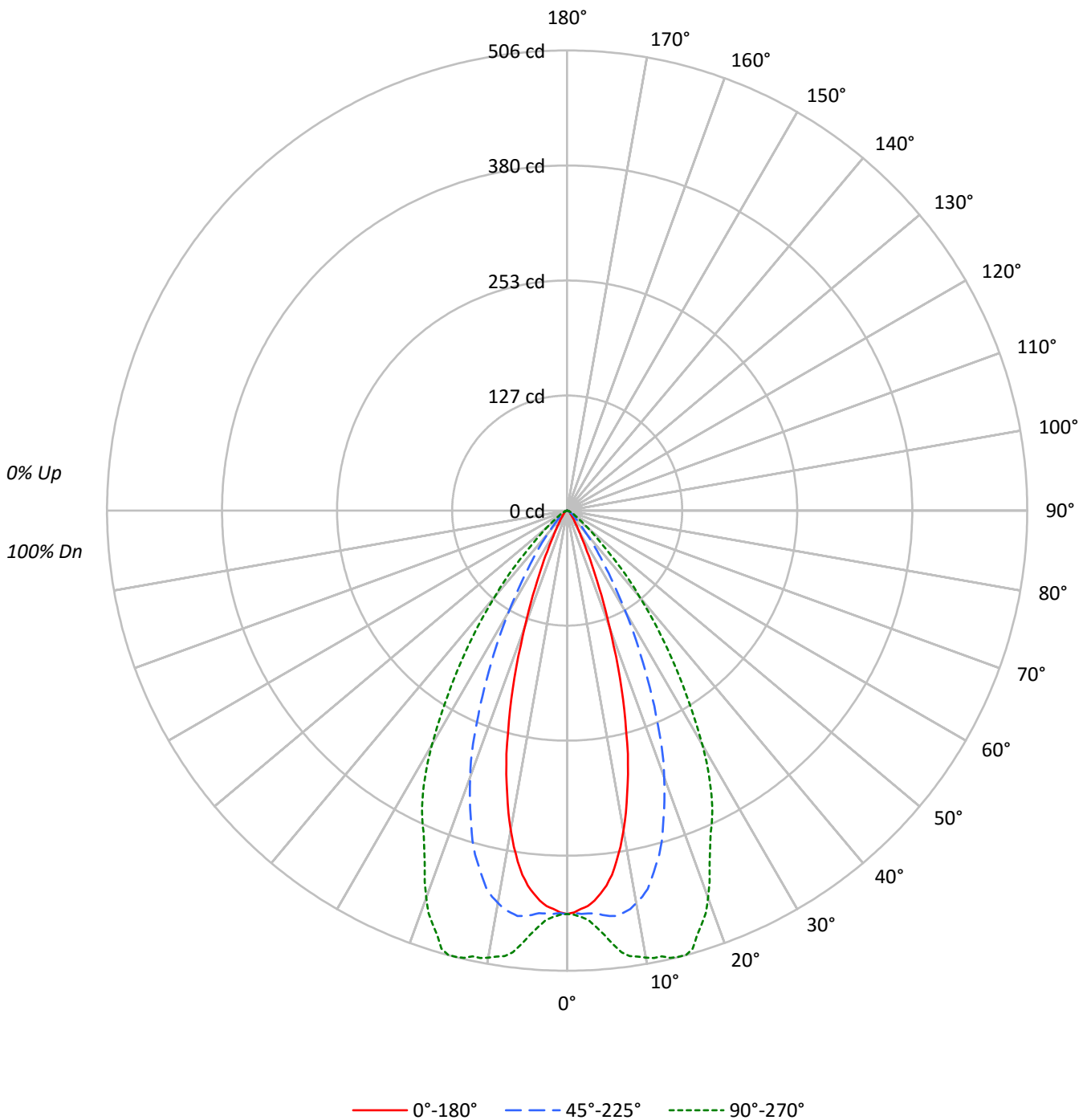
Lumens per Lamp: N/A
Luminaire Lumens: 338.7 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 1.08 / 0.77
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
Input Voltage (V): NR
Input Current (A_{in}): 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



TEST NUMBER: P247005
CATALOG NUMBER: 203-FL-8LED2736-12-BK-LSL

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87				87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81				81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76				76
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71				71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66				66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62				62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59				59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52				52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218913	218913	218913
5°	209348	221086	231932
10°	178804	219534	250145
15°	128207	200023	258304
20°	71878	163919	237740
25°	32826	117260	205233
30°	14584	72808	169544
35°	8252	40114	122629
40°	5281	21190	79992
45°	3838	11443	43330
50°	3531	7676	23104
55°	3183	5505	12559
60°	2664	3651	8091
65°	2101	3152	5370
70°	2597	2597	3895
75°	1716	1716	1716
80°	0	0	0
85°	0	0	0



TEST NUMBER: P247005

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	12.5
10°-20°	105.3	31.1
20°-30°	99.4	29.3
30°-40°	58.3	17.2
40°-50°	22.0	6.5
50°-60°	7.4	2.2
60°-70°	3.0	0.9
70°-80°	1.1	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°	247.0	72.9
0°-40°	305.2	90.1
0°-60°	334.6	98.8
0°-90°	338.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	338.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	423	430	446	463	468	38
15°	251	292	392	476	506	67
25°	60	88	215	340	377	29
35°	14	20	67	171	204	9
45°	6	8	16	48	62	5
55°	4	5	6	12	15	3
65°	2	3	3	4	5	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P247005

CATALOG NUMBER: 203-FL-8LED2736-12-BK-LSL

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	443.7	443.7	443.7	443.7	443.7
1°	441.8	441.8	442.7	443.7	444.6
2°	438.2	440.0	443.7	446.4	447.3
3°	435.4	438.2	443.7	448.2	451.0
4°	430.0	435.4	443.7	454.6	459.2
5°	422.7	430.0	446.4	462.8	468.3
6°	414.4	423.6	448.2	469.2	479.3
7°	403.5	414.4	449.1	478.4	489.3
8°	389.8	404.4	446.4	482.9	494.8
9°	374.3	393.5	443.7	483.8	496.6
10°	356.9	379.8	438.2	484.7	499.3
11°	338.7	365.2	432.7	482.9	501.2
12°	317.7	349.6	425.4	482.0	501.2
13°	297.6	331.4	414.4	480.2	504.8
14°	275.7	312.2	402.6	479.3	505.7
15°	251.0	292.1	391.6	476.5	505.7
16°	228.2	271.1	377.9	474.7	501.2
17°	204.5	248.3	360.6	468.3	488.4
18°	181.7	225.5	345.1	454.6	478.4
19°	157.0	201.7	328.6	439.1	468.3
20°	136.9	179.8	312.2	425.4	452.8
21°	117.8	157.0	294.9	411.7	437.3
22°	100.4	136.9	276.6	396.2	418.1
23°	84.0	117.8	254.7	377.9	402.6
24°	71.2	102.2	235.5	359.7	388.0
25°	60.3	87.6	215.4	340.5	377.0
26°	50.2	75.8	196.3	324.1	364.2
27°	42.0	63.9	178.0	309.5	349.6
28°	34.7	54.8	161.6	293.9	333.2
29°	29.2	45.6	144.2	278.4	315.9
30°	25.6	39.3	127.8	260.2	297.6
32.5°	18.3	27.4	93.1	216.4	248.3
35°	13.7	20.1	66.6	170.7	203.6
37.5°	11.0	15.5	47.5	130.5	162.5
40°	8.2	12.8	32.9	94.0	124.2
42.5°	7.3	10.0	22.8	66.6	94.0
45°	5.5	8.2	16.4	47.5	62.1
47.5°	4.6	6.4	12.8	33.8	42.0
50°	4.6	5.5	10.0	21.9	30.1
52.5°	3.7	4.6	8.2	15.5	20.1
55°	3.7	4.6	6.4	11.9	14.6
57.5°	3.7	3.7	4.6	9.1	11.0
60°	2.7	2.7	3.7	6.4	8.2
62.5°	2.7	2.7	3.7	4.6	5.5
65°	1.8	2.7	2.7	3.7	4.6



TEST NUMBER: P247005

CATALOG NUMBER: 203-FL-8LED2736-12-BK-LSL

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1.8	1.8	1.8	2.7	3.7
70°	1.8	1.8	1.8	1.8	2.7
72.5°	0.9	0.9	0.9	1.8	1.8
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)