

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: P246963

Luminaire Tested: **203-FL-8LED3036-12-BK-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246963
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-22)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED3036-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC, FLUSH HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

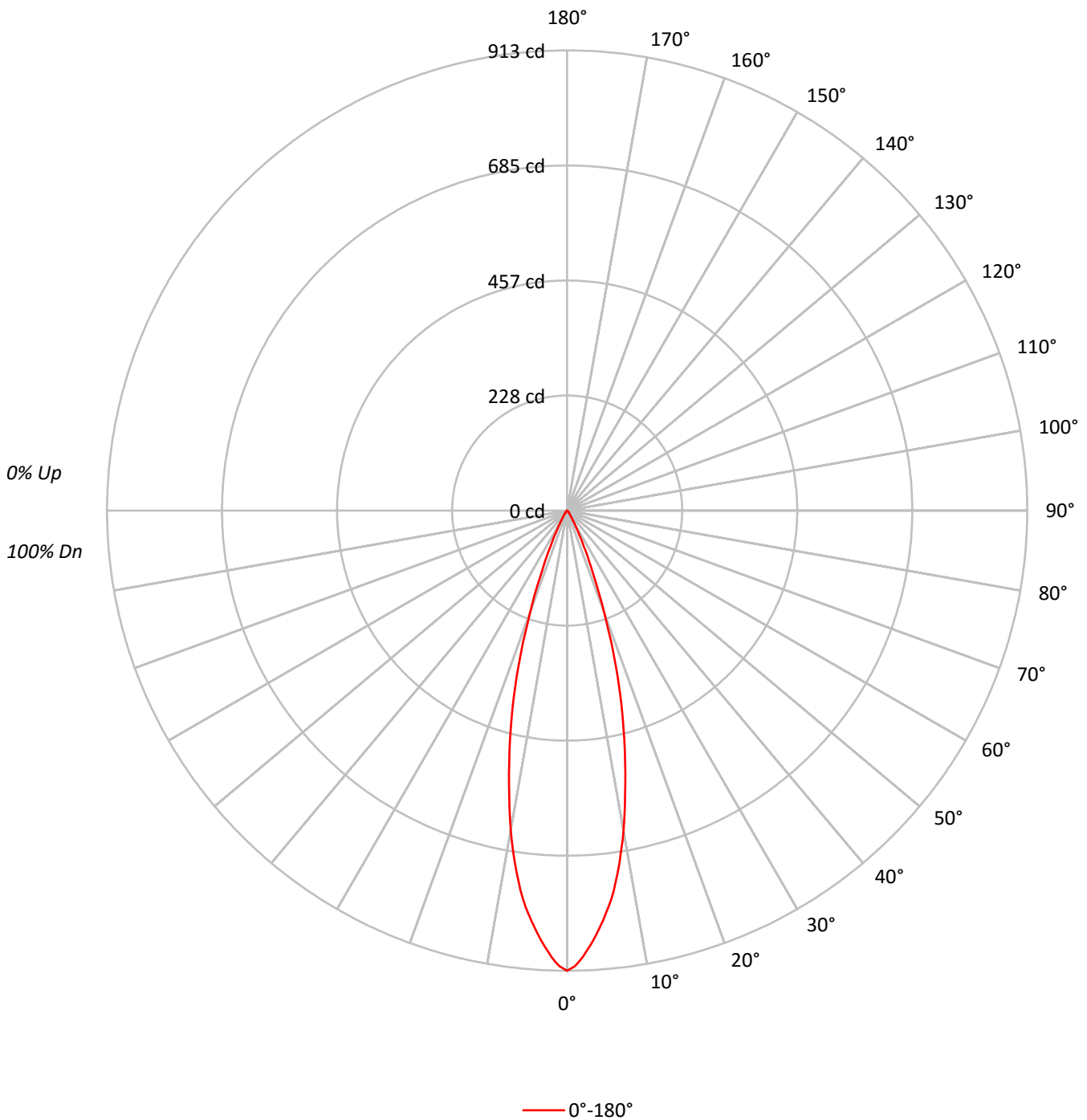
Lumens per Lamp: N/A
Luminaire Lumens: 237.5 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 0.47 / 0.47 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
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



TEST NUMBER: P246963
CATALOG NUMBER: 203-FL-8LED3036-12-BK-LVR

Luminous Intensity Polar Plot





TEST NUMBER: P246963

CATALOG NUMBER: 203-FL-8LED3036-12-BK-LVR

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	450505
5°	404383
10°	322889
15°	218258
20°	112149
25°	42462
30°	14129
35°	6384
40°	2834
45°	1884
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P246963

CATALOG NUMBER: 203-FL-8LED3036-12-BK-LVR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	30.6
10°-20°	114.3	48.1
20°-30°	40.6	17.1
30°-40°	7.3	3.1
40°-50°	2.0	0.9
50°-60°	0.7	0.3
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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
<hr/>		
0°-30°	227.5	95.8
0°-40°	234.8	98.9
0°-60°	237.5	100.0
0°-90°	237.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	913	
5°	816	73
15°	427	114
25°	78	41
35°	11	7
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P246963

CATALOG NUMBER: 203-FL-8LED3036-12-BK-LVR

CANDELA DISTRIBUTION (FULL):

0°	
0°	913.1
1°	904.2
2°	886.5
3°	865.2
4°	841.3
5°	816.5
6°	789.9
7°	759.7
8°	723.4
9°	684.4
10°	644.5
11°	600.2
12°	554.9
13°	510.6
14°	468.1
15°	427.3
16°	383.9
17°	340.4
18°	296.1
19°	253.5
20°	213.6
22.5°	131.2
25°	78.0
26°	62.9
27°	51.4
28°	40.8
29°	31.9
30°	24.8
32.5°	16.0
35°	10.6
37.5°	7.1
40°	4.4
42.5°	3.5
45°	2.7
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P246963

CATALOG NUMBER: 203-FL-8LED3036-12-BK-LVR

CANDELA DISTRIBUTION (continued):

	0°
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)