

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: P247006

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247006
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-8LED2736-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, FLUSH HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

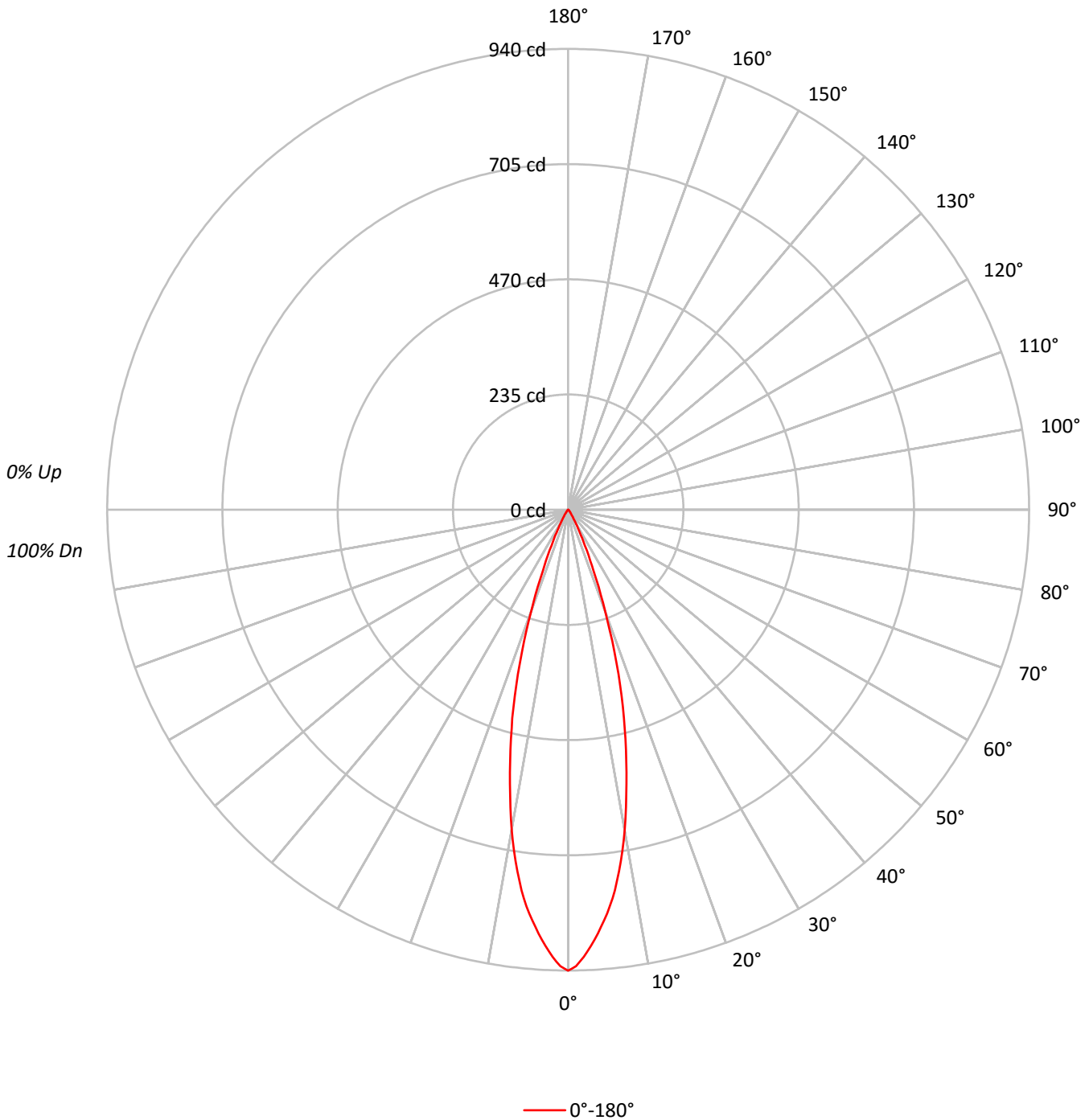
Lumens per Lamp: N/A
Luminaire Lumens: 244.6 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 0.47 / 0.47 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.7
Input Voltage (V): NR
Input Current (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



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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	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	79	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°	463925
5°	416418
10°	332508
15°	224745
20°	115510
25°	43714
30°	14584
35°	6625
40°	2963
45°	1884
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	30.6
10°-20°	117.7	48.1
20°-30°	41.8	17.1
30°-40°	7.6	3.1
40°-50°	2.1	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
0°-30°	234.2	95.8
0°-40°	241.8	98.9
0°-60°	244.6	100.0
0°-90°	244.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	244.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	940	
5°	841	75
15°	440	118
25°	80	42
35°	11	8
45°	3	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	940.3
1°	931.1
2°	912.9
3°	891.0
4°	866.3
5°	840.8
6°	813.4
7°	782.3
8°	744.9
9°	704.7
10°	663.7
11°	618.0
12°	571.5
13°	525.8
14°	482.0
15°	440.0
16°	395.3
17°	350.5
18°	304.9
19°	261.1
20°	220.0
22.5°	135.1
25°	80.3
26°	64.8
27°	52.9
28°	42.0
29°	32.9
30°	25.6
32.5°	16.4
35°	11.0
37.5°	7.3
40°	4.6
42.5°	3.7
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



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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)