

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: P247029

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247029
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-34)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2736-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED 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

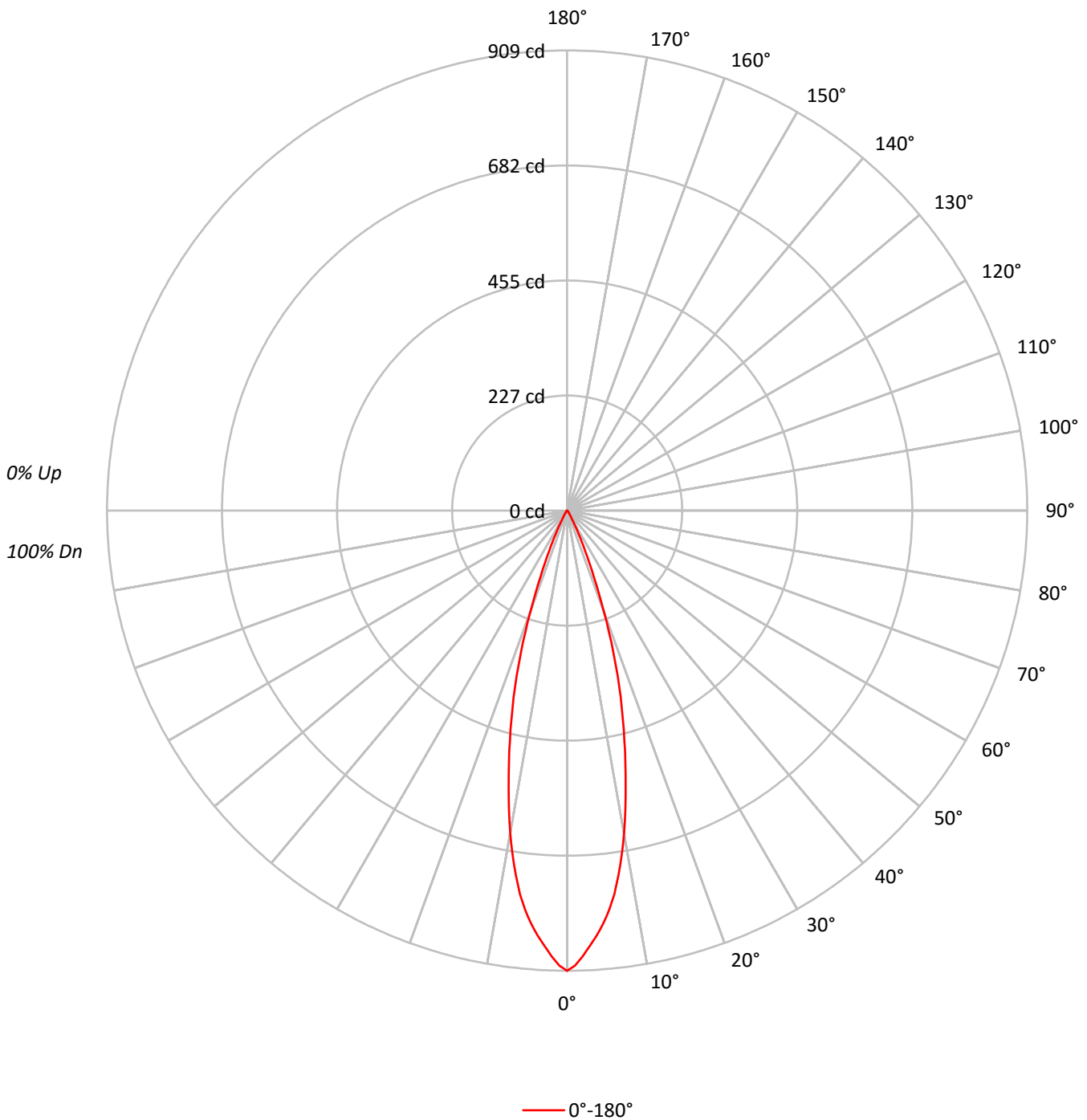
Lumens per Lamp: N/A
Luminaire Lumens: 230.1 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.8
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	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87		91	89	86		90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83	80	78	77
9	90	84	80	77	89	83	79	77	83	79	77		82	79	76		81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	74		80	76	74		79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	448581
5°	405572
10°	324241
15°	217288
20°	111204
25°	36800
30°	10426
35°	4397
40°	2383
45°	1256
50°	691
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	31.6
10°-20°	114.3	49.7
20°-30°	36.3	15.8
30°-40°	5.2	2.2
40°-50°	1.5	0.6
50°-60°	0.1	0.0
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°	223.4	97.1
0°-40°	228.5	99.3
0°-60°	230.1	100.0
0°-90°	230.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	909	
5°	819	73
15°	425	114
25°	68	36
35°	7	5
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	909.2
1°	899.2
2°	880.9
3°	860.9
4°	840.8
5°	818.9
6°	793.3
7°	764.1
8°	727.6
9°	688.3
10°	647.2
11°	602.5
12°	555.9
13°	511.2
14°	467.4
15°	425.4
16°	383.4
17°	340.5
18°	296.7
19°	253.8
20°	211.8
21°	173.4
22°	140.6
23°	112.3
24°	86.7
25°	67.6
26°	52.9
27°	39.3
28°	31.0
29°	22.8
30°	18.3
32.5°	11.0
35°	7.3
37.5°	4.6
40°	3.7
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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)