

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: P247027

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247027
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-32)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

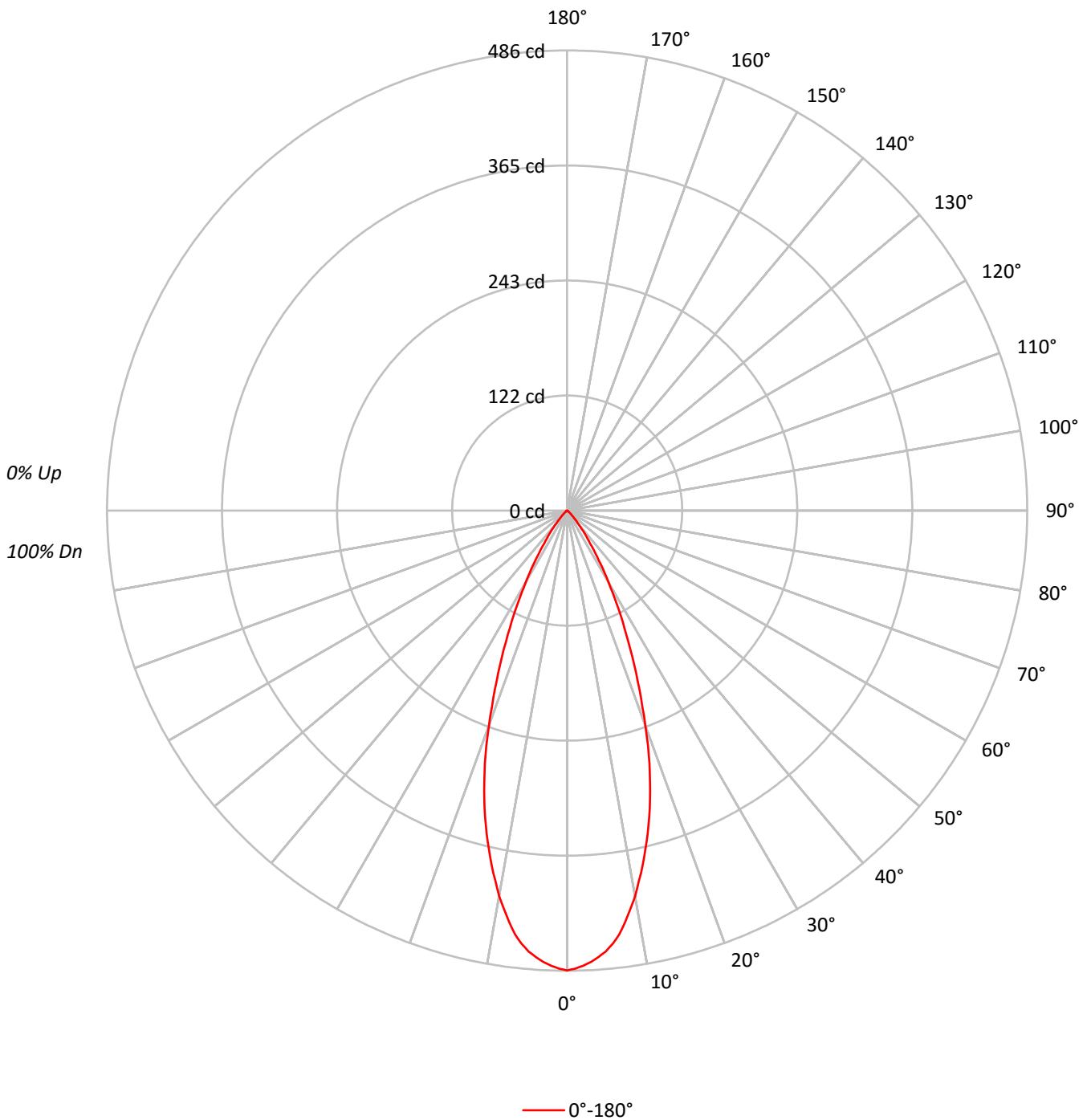
Lumens per Lamp: N/A
Luminaire Lumens: 241.3 lumens
Efficiency: N/A
Efficacy: 30.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P247027
CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

Luminous Intensity Polar Plot





TEST NUMBER: P247027

CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91	89	87	85
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83	80	78	77
6	92	85	79	76	91	84	79	76	82	78	75		81	77	75		80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77	73	71	69
8	85	77	72	68	84	76	71	68	75	71	68		74	70	68		74	70	67	66
9	82	74	68	65	81	73	68	65	72	68	65		71	67	64		71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62		69	64	62		68	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239634
5°	231486
10°	207160
15°	171113
20°	127008
25°	83509
30°	49906
35°	25297
40°	11786
45°	5094
50°	2072
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P247027

CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	17.8
10°-20°	91.6	38.0
20°-30°	70.6	29.3
30°-40°	28.4	11.8
40°-50°	6.5	2.7
50°-60°	1.2	0.5
60°-70°	0.1	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°	205.1	85.0
0°-40°	233.5	96.8
0°-60°	241.1	100.0
0°-90°	241.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	486	
5°	467	43
15°	335	92
25°	153	71
35°	42	28
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P247027

CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

CANDELA DISTRIBUTION (FULL):

0°	
0°	485.7
1°	483.8
2°	481.1
3°	477.4
4°	472.9
5°	467.4
6°	460.1
7°	451.0
8°	439.1
9°	426.3
10°	413.5
11°	398.0
12°	383.4
13°	367.0
14°	351.5
15°	335.0
16°	317.7
17°	299.4
18°	281.2
19°	262.0
20°	241.9
21°	221.8
22°	203.6
23°	186.2
24°	169.8
25°	153.4
26°	137.8
27°	125.1
28°	111.4
29°	98.6
30°	87.6
32.5°	62.1
35°	42.0
37.5°	29.2
40°	18.3
42.5°	11.9
45°	7.3
47.5°	4.6
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0



TEST NUMBER: P247027

CATALOG NUMBER: 203-SS-8LED2736-12-BK-DIFF

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)