

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: P246962

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246962
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-8LED3036-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
FLUSH HOOD BLACK, LINEAR SPREAD LENS
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: 329.0 lumens
Efficiency: N/A
Efficacy: 42.7 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

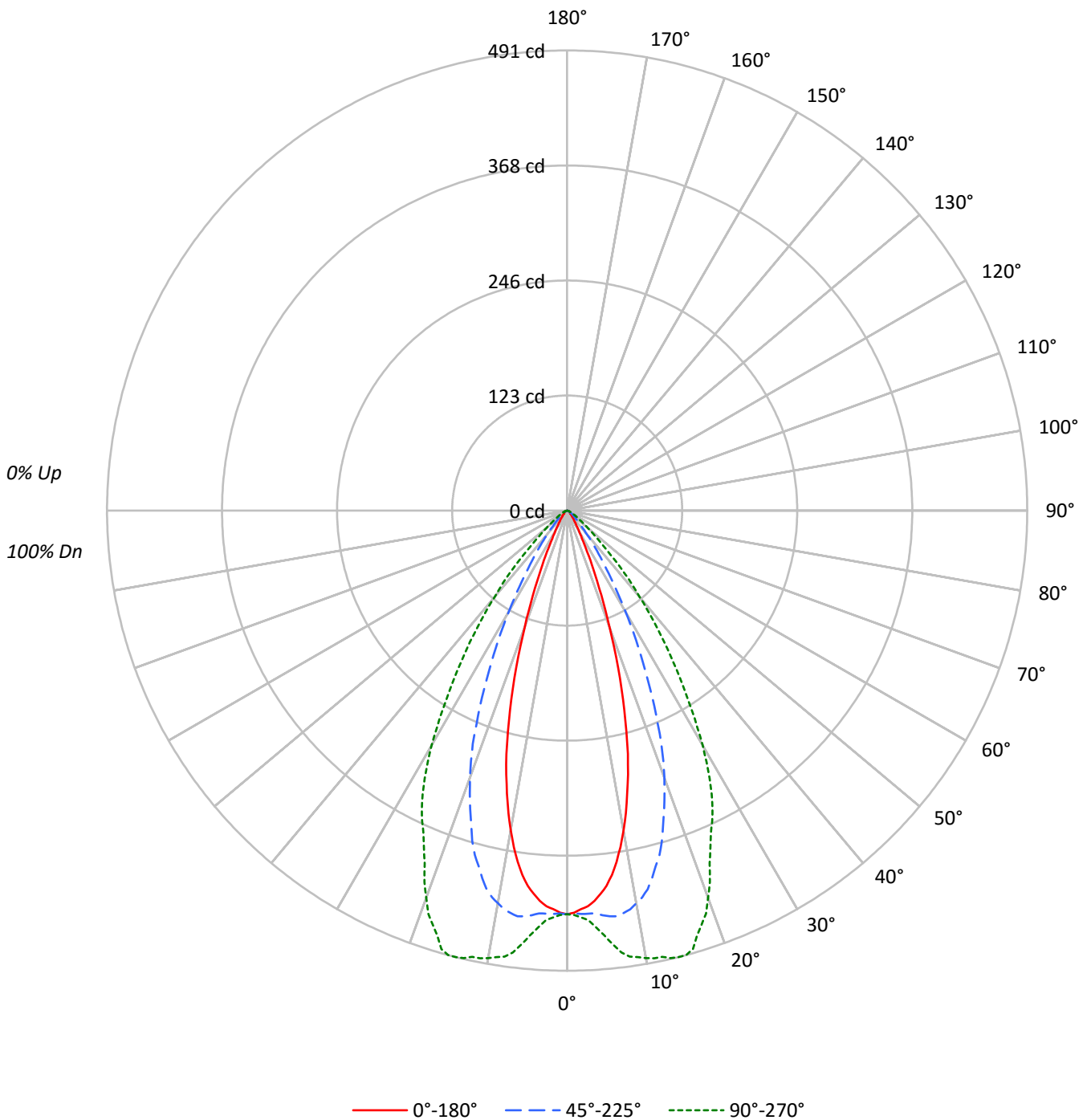
Input Watts (W): 7.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246962

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

Luminous Intensity Polar Plot





TEST NUMBER: P246962

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

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	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	97	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°	212548	212548	212548
5°	203256	214697	225246
10°	173643	213172	242930
15°	124529	194251	250846
20°	69831	159193	230862
25°	31846	113885	199299
30°	14129	70700	164645
35°	8011	38969	119076
40°	5152	20546	77674
45°	3698	11164	42074
50°	3377	7522	22490
55°	3011	5333	12215
60°	2664	3454	7894
65°	2101	3152	5137
70°	2597	2597	3895
75°	1716	1716	1716
80°	0	0	0
85°	0	0	0



TEST NUMBER: P246962

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	12.5
10°-20°	102.3	31.1
20°-30°	96.5	29.3
30°-40°	56.6	17.2
40°-50°	21.4	6.5
50°-60°	7.2	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°	239.8	72.9
0°-40°	296.4	90.1
0°-60°	324.9	98.8
0°-90°	329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	410	418	434	450	455	37
15°	244	284	380	463	491	65
25°	58	85	209	331	366	29
35°	13	20	65	166	198	9
45°	5	8	16	46	60	4
55°	4	4	6	12	14	3
65°	2	3	3	4	4	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P246962

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	430.8	430.8	430.8	430.8	430.8
1°	429.1	429.1	429.9	430.8	431.7
2°	425.5	427.3	430.8	433.5	434.4
3°	422.9	425.5	430.8	435.3	437.9
4°	417.5	422.9	430.8	441.5	445.9
5°	410.4	417.5	433.5	449.5	454.8
6°	402.5	411.3	435.3	455.7	465.4
7°	391.8	402.5	436.2	464.5	475.2
8°	378.5	392.7	433.5	469.0	480.5
9°	363.5	382.1	430.8	469.8	482.3
10°	346.6	368.8	425.5	470.7	484.9
11°	328.9	354.6	420.2	469.0	486.7
12°	308.5	339.5	413.1	468.1	486.7
13°	289.0	321.8	402.5	466.3	490.2
14°	267.7	303.2	390.9	465.4	491.1
15°	243.8	283.7	380.3	462.8	491.1
16°	221.6	263.3	367.0	461.0	486.7
17°	198.6	241.1	350.2	454.8	474.3
18°	176.4	219.0	335.1	441.5	464.5
19°	152.5	195.9	319.1	426.4	454.8
20°	133.0	174.6	303.2	413.1	439.7
21°	114.4	152.5	286.3	399.8	424.6
22°	97.5	133.0	268.6	384.7	406.0
23°	81.6	114.4	247.3	367.0	390.9
24°	69.1	99.3	228.7	349.3	376.8
25°	58.5	85.1	209.2	330.7	366.1
26°	48.8	73.6	190.6	314.7	353.7
27°	40.8	62.1	172.9	300.5	339.5
28°	33.7	53.2	156.9	285.5	323.6
29°	28.4	44.3	140.1	270.4	306.7
30°	24.8	38.1	124.1	252.7	289.0
32.5°	17.7	26.6	90.4	210.1	241.1
35°	13.3	19.5	64.7	165.8	197.7
37.5°	10.6	15.1	46.1	126.8	157.8
40°	8.0	12.4	31.9	91.3	120.6
42.5°	7.1	9.8	22.2	64.7	91.3
45°	5.3	8.0	16.0	46.1	60.3
47.5°	4.4	6.2	12.4	32.8	40.8
50°	4.4	5.3	9.8	21.3	29.3
52.5°	3.5	4.4	8.0	15.1	19.5
55°	3.5	4.4	6.2	11.5	14.2
57.5°	3.5	3.5	4.4	8.9	10.6
60°	2.7	2.7	3.5	6.2	8.0
62.5°	2.7	2.7	3.5	4.4	5.3
65°	1.8	2.7	2.7	3.5	4.4



TEST NUMBER: P246962

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1.8	1.8	1.8	2.7	3.5
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)