

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: P246987

Luminaire Tested: **230-8LED3036-12-BK-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246987
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-35)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED3036-12-BK-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

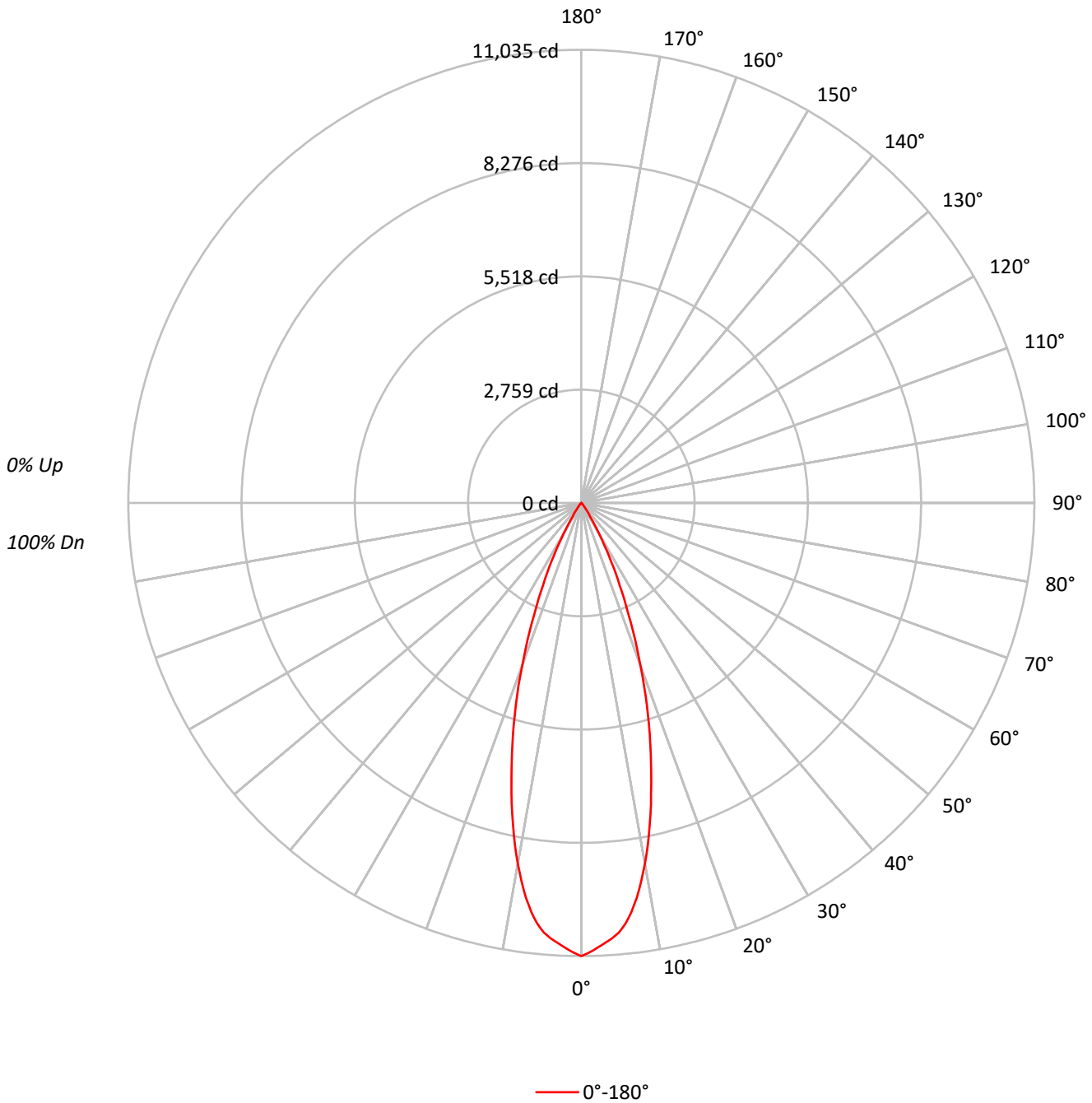
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 519.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.56
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P246987
CATALOG NUMBER: 230-8LED3036-12-BK-OSL

Luminous Intensity Polar Plot





TEST NUMBER: P246987
 CATALOG NUMBER: 230-8LED3036-12-BK-OSL

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5444394
5°	5201264
10°	4466483
15°	3350335
20°	2213164
25°	1205539
30°	485446
35°	142385
40°	53328
45°	25189
50°	9211
55°	10322
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P246987
 CATALOG NUMBER: 230-8LED3036-12-BK-OSL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.9	23.8
10°-20°	1791.2	44.8
20°-30°	1028.9	25.7
30°-40°	189.4	4.7
40°-50°	29.2	0.7
50°-60°	9.4	0.2
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°	3772.0	94.3
0°-40°	3961.4	99.0
0°-60°	4000.0	100.0
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11035	
5°	10502	952
15°	6559	1791
25°	2214	1029
35°	236	189
45°	36	29
55°	12	9
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P246987
CATALOG NUMBER: 230-8LED3036-12-BK-OSL

CANDELA DISTRIBUTION (FULL):

0°	
0°	11034.9
1°	10952.1
2°	10845.3
3°	10739.8
4°	10632.9
5°	10502.0
6°	10301.7
7°	10029.2
8°	9708.6
9°	9318.6
10°	8915.3
11°	8477.2
12°	8004.4
13°	7530.2
14°	7033.4
15°	6559.2
16°	6086.4
17°	5624.3
18°	5162.2
19°	4689.4
20°	4215.2
21°	3765.1
22°	3351.1
23°	2937.0
24°	2557.7
25°	2214.5
26°	1905.9
27°	1610.8
28°	1326.3
29°	1065.8
30°	852.1
32.5°	426.1
35°	236.4
37.5°	130.9
40°	82.8
42.5°	46.7
45°	36.1
47.5°	24.0
50°	12.0
52.5°	12.0
55°	12.0
57.5°	12.0
60°	0.0
62.5°	0.0
65°	0.0



TEST NUMBER: P246987
CATALOG NUMBER: 230-8LED3036-12-BK-OSL

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)