

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: P246983

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246983
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

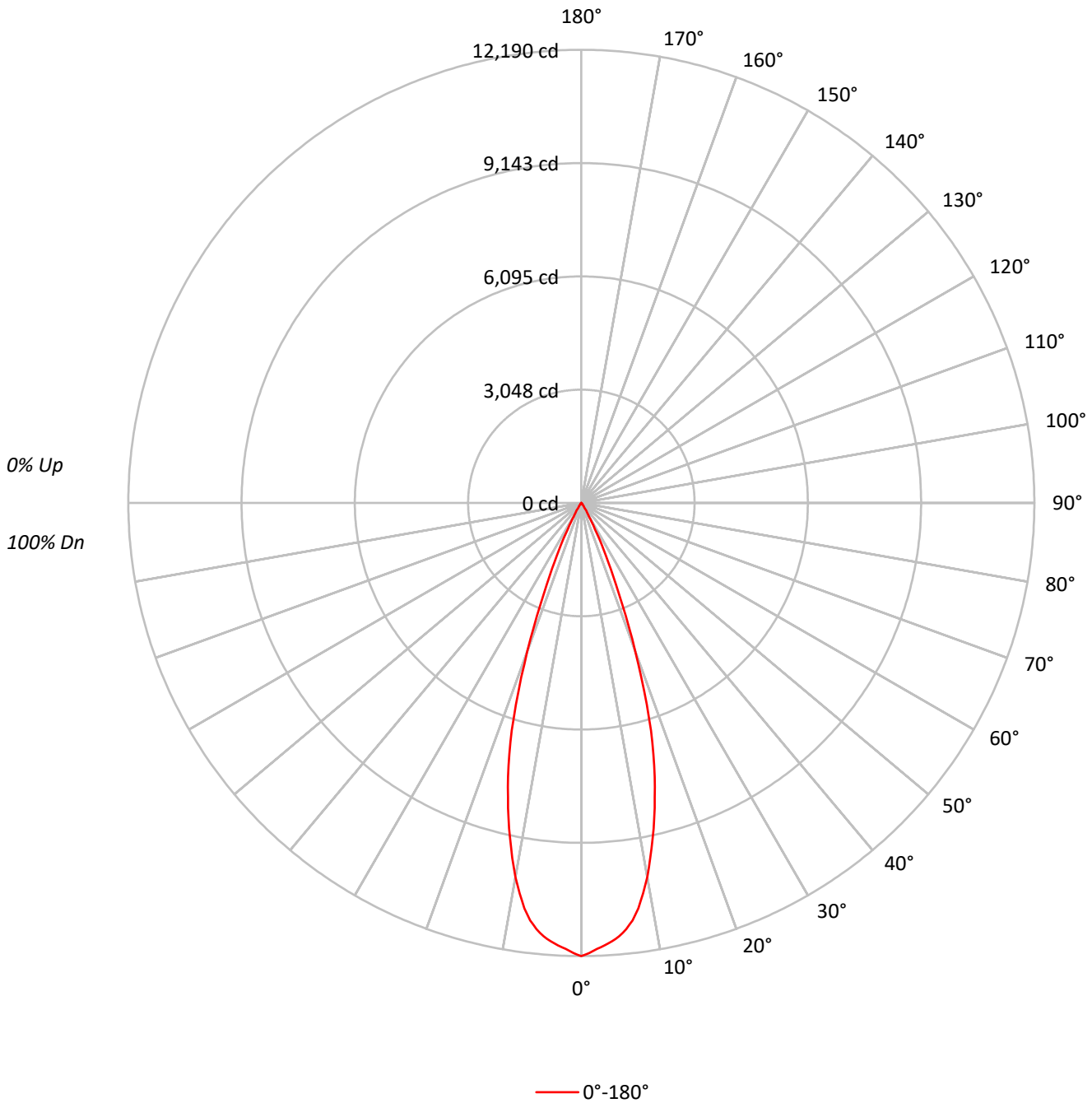
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 512.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.8
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



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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	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	87	84	82	86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	91	85	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	78	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6014395
5°	5795829
10°	5119424
15°	3896516
20°	2230175
25°	855064
30°	204012
35°	72156
40°	27566
45°	15350
50°	8443
55°	9462
60°	10854
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1071.8	26.8
10°-20°	2030.2	50.8
20°-30°	781.6	19.5
30°-40°	87.6	2.2
40°-50°	17.6	0.4
50°-60°	9.9	0.2
60°-70°	1.3	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°	3883.6	97.1
0°-40°	3971.2	99.3
0°-60°	3998.7	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°	12190	
5°	11702	###
15°	7628	2030
25°	1571	782
35°	120	88
45°	22	18
55°	11	10
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12190.2
1°	12114.4
2°	12005.7
3°	11918.9
4°	11822.3
5°	11702.5
6°	11529.0
7°	11312.6
8°	11009.5
9°	10630.5
10°	10218.6
11°	9730.9
12°	9232.2
13°	8711.5
14°	8170.0
15°	7628.5
16°	7032.0
17°	6403.8
18°	5699.7
19°	4962.6
20°	4247.6
21°	3575.3
22°	2947.0
23°	2383.5
24°	1939.8
25°	1570.7
26°	1256.5
27°	910.6
28°	682.1
29°	498.7
30°	358.1
32.5°	195.6
35°	119.8
37.5°	64.8
40°	42.8
42.5°	33.0
45°	22.0
47.5°	11.0
50°	11.0
52.5°	11.0
55°	11.0
57.5°	11.0
60°	11.0
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)