

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: P246989

Luminaire Tested: **230-8LED3036-12-CS-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246989
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-44)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED3036-12-CS-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

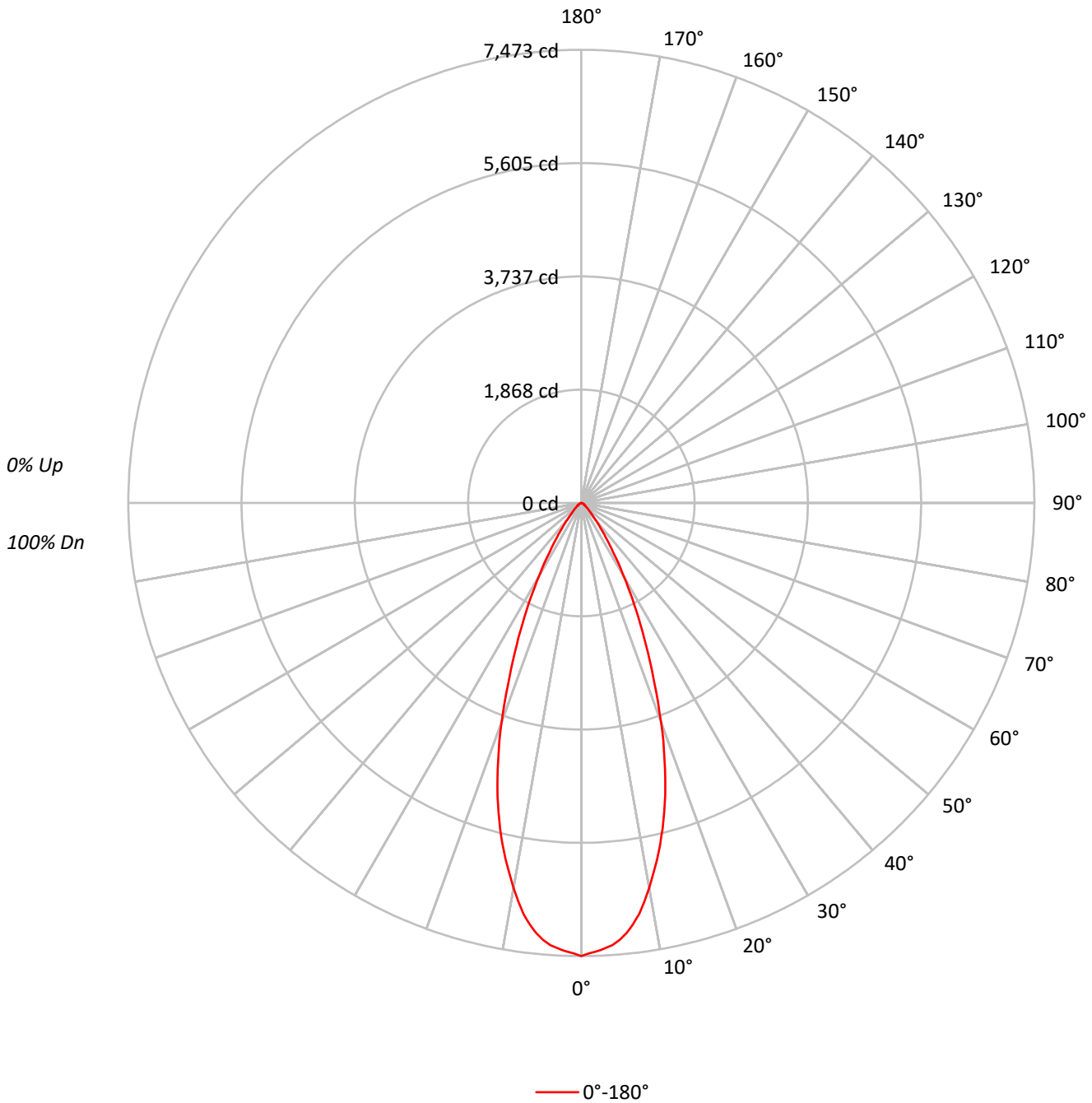
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 519.5 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3686927
5°	3582890
10°	3229787
15°	2699341
20°	2016430
25°	1337443
30°	805564
35°	438960
40°	230381
45°	134734
50°	91493
55°	63567
60°	44700
65°	35257
70°	43565
75°	28785
80°	42903
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.6	16.6
10°-20°	1443.4	36.1
20°-30°	1126.9	28.2
30°-40°	481.8	12.0
40°-50°	159.2	4.0
50°-60°	67.6	1.7
60°-70°	35.5	0.9
70°-80°	17.9	0.4
80°-90°	2.0	0.1
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°	3236.0	80.9
0°-40°	3717.7	92.9
0°-60°	3944.5	98.6
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°	7473	
5°	7234	666
15°	5285	1443
25°	2457	1127
35°	729	482
45°	193	159
55°	74	68
65°	30	35
75°	15	18
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7472.8
1°	7429.1
2°	7398.9
3°	7353.6
4°	7309.9
5°	7234.3
6°	7130.2
7°	6997.6
8°	6848.1
9°	6655.0
10°	6446.8
11°	6223.4
12°	6013.5
13°	5776.7
14°	5538.3
15°	5284.7
16°	5016.0
17°	4733.9
18°	4436.7
19°	4152.9
20°	3840.5
21°	3528.2
22°	3230.9
23°	2962.3
24°	2695.2
25°	2456.8
26°	2218.3
27°	1995.0
28°	1786.8
29°	1593.6
30°	1414.0
32.5°	1012.6
35°	728.8
37.5°	520.6
40°	357.7
42.5°	253.6
45°	193.1
47.5°	149.5
50°	119.2
52.5°	89.0
55°	73.9
57.5°	58.8
60°	45.3
62.5°	45.3
65°	30.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	30.2
70°	30.2
72.5°	15.1
75°	15.1
77.5°	15.1
80°	15.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)