

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: G2-1802-569-4

Luminaire Tested: **213-8LED3010-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-4
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 213-8LED3010-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED
SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

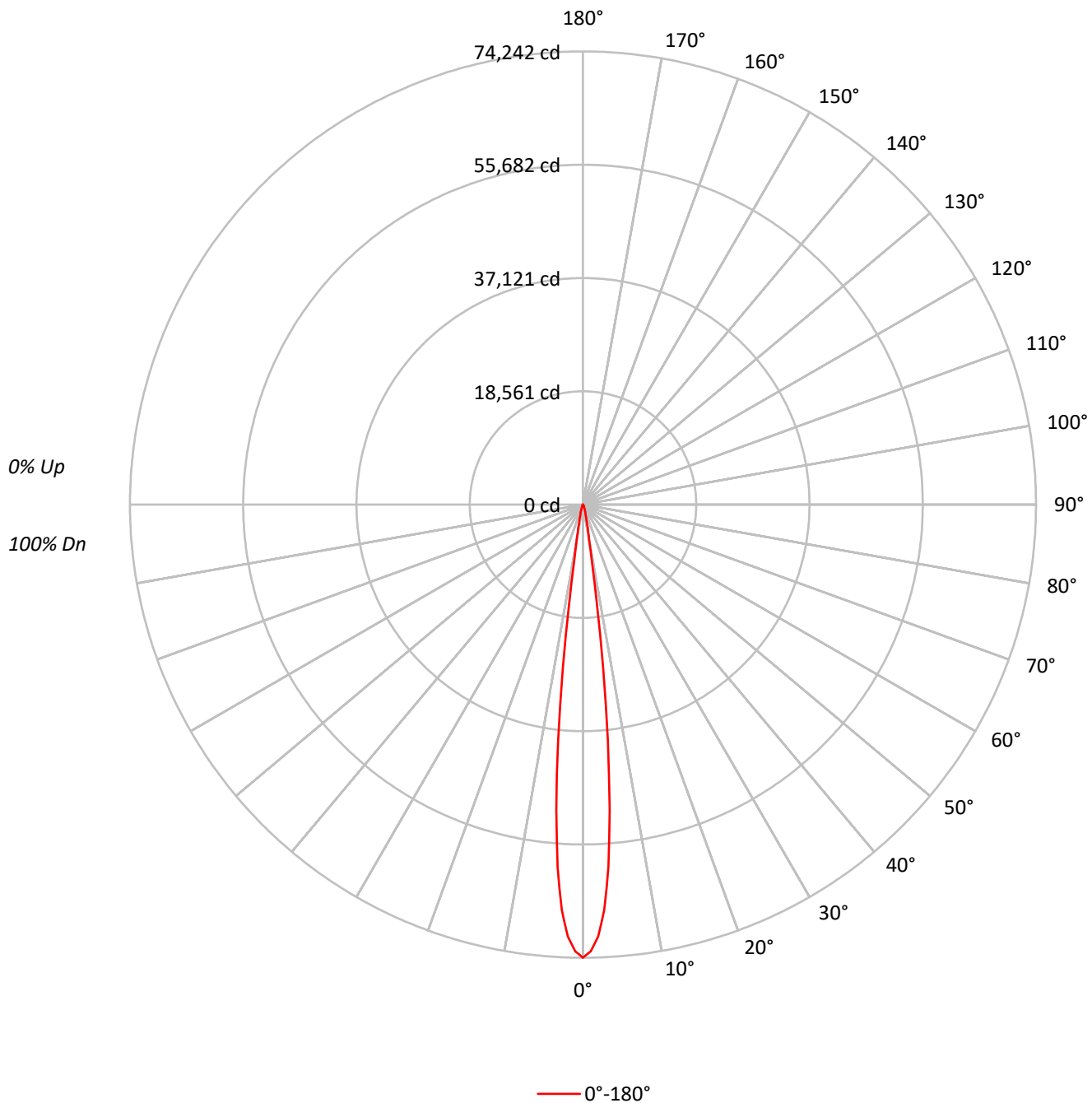
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 500.0 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	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		100
1	116	114	113	111	114	112	111	109	108	107	106		105	104	103		98
2	113	110	108	106	111	109	106	105	106	104	102		103	101	100		97
3	111	107	104	102	109	106	103	101	103	101	99		101	99	98		95
4	108	104	101	99	107	103	100	98	101	99	97		100	98	96		94
5	106	102	99	96	105	101	98	96	100	97	95		98	96	95		93
6	105	100	97	95	103	99	96	94	98	96	94		97	95	93		92
7	103	98	95	93	102	98	95	93	97	94	92		96	94	92		91
8	101	97	94	92	101	96	94	92	95	93	91		95	93	91		90
9	100	95	93	91	99	95	92	90	94	92	90		94	92	90		89
10	99	94	91	90	98	94	91	90	93	91	89		93	91	89		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36629633
5°	24871325
10°	2859154
15°	848412
20°	380132
25°	196632
30°	137755
35°	112872
40°	95385
45°	65379
50°	51043
55°	35095
60°	13420
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3030.3	75.8
10°-20°	558.9	14.0
20°-30°	180.2	4.5
30°-40°	115.7	2.9
40°-50°	77.0	1.9
50°-60°	33.0	0.8
60°-70°	4.9	0.1
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°	3769.4	94.2
0°-40°	3885.1	97.1
0°-60°	3995.1	99.9
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°	74242	
5°	50218	###
15°	1661	559
25°	361	180
35°	187	116
45°	94	77
55°	41	33
65°	0	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	74242.3
1°	73182.8
2°	70825.0
3°	66511.3
4°	59463.6
5°	50218.3
6°	38923.5
7°	26944.0
8°	16320.2
9°	9339.0
10°	5707.0
12.5°	2706.9
15°	1661.0
17.5°	1165.3
20°	724.0
22.5°	468.5
25°	361.2
27.5°	294.7
30°	241.8
32.5°	201.0
35°	187.4
37.5°	160.2
40°	148.1
42.5°	120.9
45°	93.7
47.5°	80.1
50°	66.5
52.5°	40.8
55°	40.8
57.5°	27.2
60°	13.6
62.5°	13.6
65°	0.0
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)