

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: P246965

Luminaire Tested: **203-SS-8LED3010-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246965
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3010-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

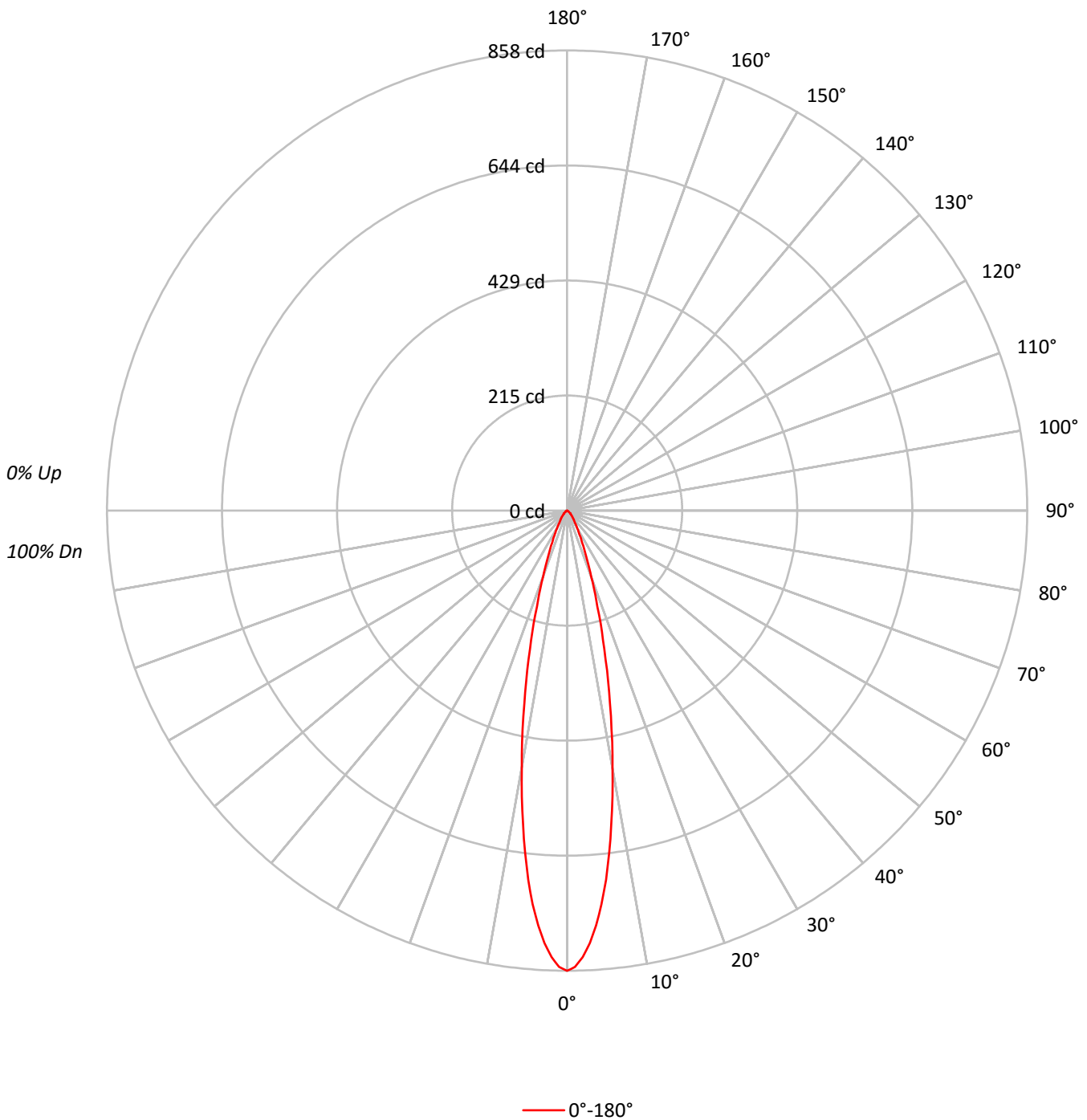
Lumens per Lamp: N/A
Luminaire Lumens: 195.4 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423369
5°	364861
10°	244283
15°	136277
20°	68886
25°	36202
30°	21193
35°	13371
40°	9725
45°	6838
50°	4759
55°	3011
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	31.8
10°-20°	75.1	38.4
20°-30°	32.6	16.7
30°-40°	14.7	7.5
40°-50°	7.6	3.9
50°-60°	2.9	1.5
60°-70°	0.3	0.2
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°	169.7	86.9
0°-40°	184.5	94.4
0°-60°	195.0	99.8
0°-90°	195.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	858	
5°	737	62
15°	267	75
25°	66	33
35°	22	15
45°	10	8
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	858.1
1°	851.0
2°	833.3
3°	807.6
4°	775.7
5°	736.7
6°	692.4
7°	643.6
8°	591.3
9°	539.9
10°	487.6
12.5°	367.9
15°	266.8
17.5°	187.9
20°	131.2
22.5°	93.1
25°	66.5
27.5°	48.8
30°	37.2
32.5°	28.4
35°	22.2
37.5°	18.6
40°	15.1
42.5°	11.5
45°	9.8
47.5°	8.0
50°	6.2
52.5°	4.4
55°	3.5
57.5°	1.8
60°	0.9
62.5°	0.9
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)