

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: P247008

Luminaire Tested: **203-SS-8LED2710-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247008
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-8LED2710-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

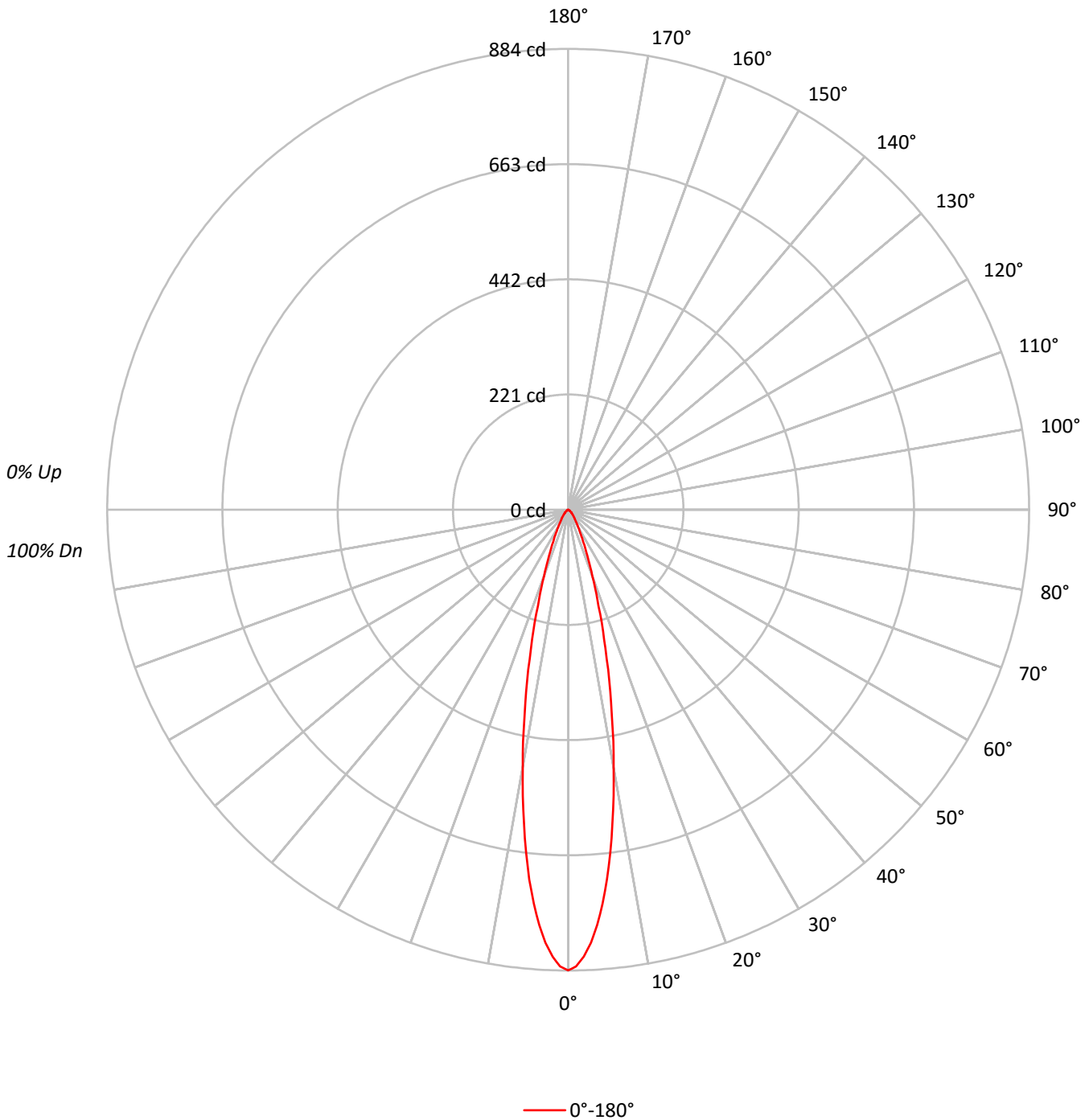
Lumens per Lamp: N/A
Luminaire Lumens: 201.2 lumens
Efficiency: N/A
Efficacy: 25.1 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): 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		83	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°	436000
5°	375707
10°	251547
15°	140363
20°	70933
25°	37290
30°	21820
35°	13733
40°	9983
45°	6977
50°	4912
55°	3183
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	31.8
10°-20°	77.3	38.4
20°-30°	33.6	16.7
30°-40°	15.1	7.5
40°-50°	7.9	3.9
50°-60°	3.0	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°	174.8	86.9
0°-40°	189.9	94.4
0°-60°	200.8	99.8
0°-90°	201.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	884	
5°	759	64
15°	275	77
25°	68	34
35°	23	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°	883.7
1°	876.4
2°	858.1
3°	831.6
4°	798.8
5°	758.6
6°	713.0
7°	662.8
8°	608.9
9°	555.9
10°	502.1
12.5°	378.8
15°	274.8
17.5°	193.5
20°	135.1
22.5°	95.9
25°	68.5
27.5°	50.2
30°	38.3
32.5°	29.2
35°	22.8
37.5°	19.2
40°	15.5
42.5°	11.9
45°	10.0
47.5°	8.2
50°	6.4
52.5°	4.6
55°	3.7
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)