

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: P247024

Luminaire Tested: **203-SS-8LED2725-12-CS-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247024
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2725-12-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

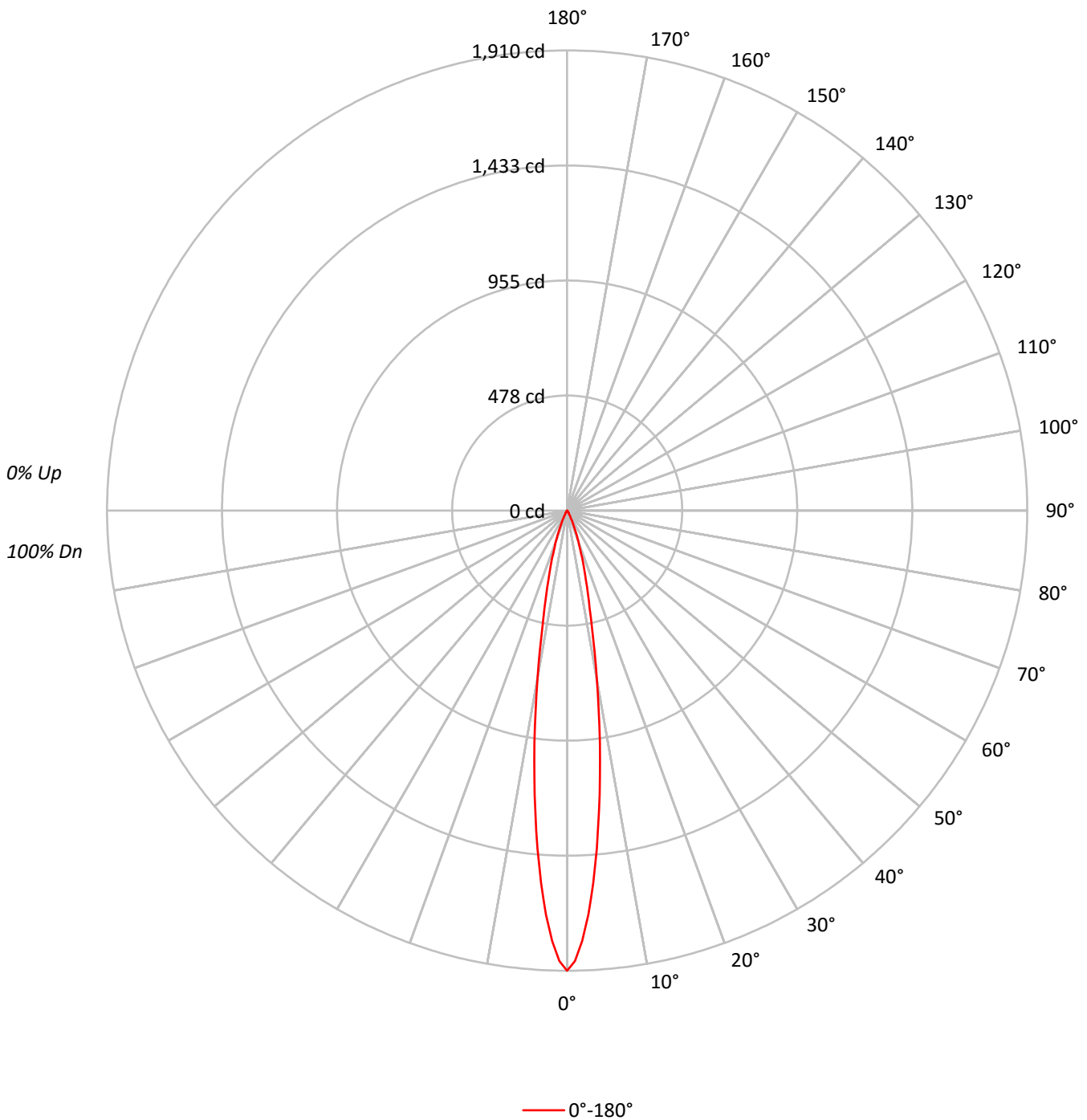
Lumens per Lamp: N/A
Luminaire Lumens: 231.2 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100		101	100	98		99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97	95	94	93
4	106	101	98	95	105	100	97	95	98	96	94		97	94	92		95	93	91	90
5	104	98	95	92	102	97	94	92	96	93	91		94	92	90		93	91	89	88
6	101	96	92	89	100	95	91	89	94	91	88		92	90	88		91	89	87	86
7	99	93	89	87	98	93	89	87	91	88	86		90	88	86		90	87	85	84
8	97	91	87	85	96	90	87	85	89	86	84		89	86	84		88	85	84	83
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81		85	82	81		85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	942256
5°	697629
10°	355353
15°	154819
20°	70461
25°	26348
30°	7805
35°	3855
40°	2383
45°	1256
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	48.1
10°-20°	88.7	38.4
20°-30°	24.7	10.7
30°-40°	4.5	2.0
40°-50°	1.5	0.6
50°-60°	0.5	0.2
60°-70°	0.0	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°	224.7	97.2
0°-40°	229.2	99.2
0°-60°	231.2	100.0
0°-90°	231.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1910	
5°	1409	111
15°	303	89
25°	48	25
35°	6	5
45°	2	1
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1909.8
1°	1869.6
2°	1787.4
3°	1679.7
4°	1550.1
5°	1408.6
6°	1261.6
7°	1116.5
8°	974.0
9°	836.2
10°	709.3
11°	593.4
12°	496.6
13°	417.2
14°	353.3
15°	303.1
16°	260.2
17°	222.7
18°	189.0
19°	159.8
20°	134.2
22.5°	82.2
25°	48.4
26°	36.5
27°	29.2
28°	21.9
29°	17.3
30°	13.7
32.5°	10.0
35°	6.4
37.5°	4.6
40°	3.7
42.5°	2.7
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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)