

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: P247022

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247022
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-40)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

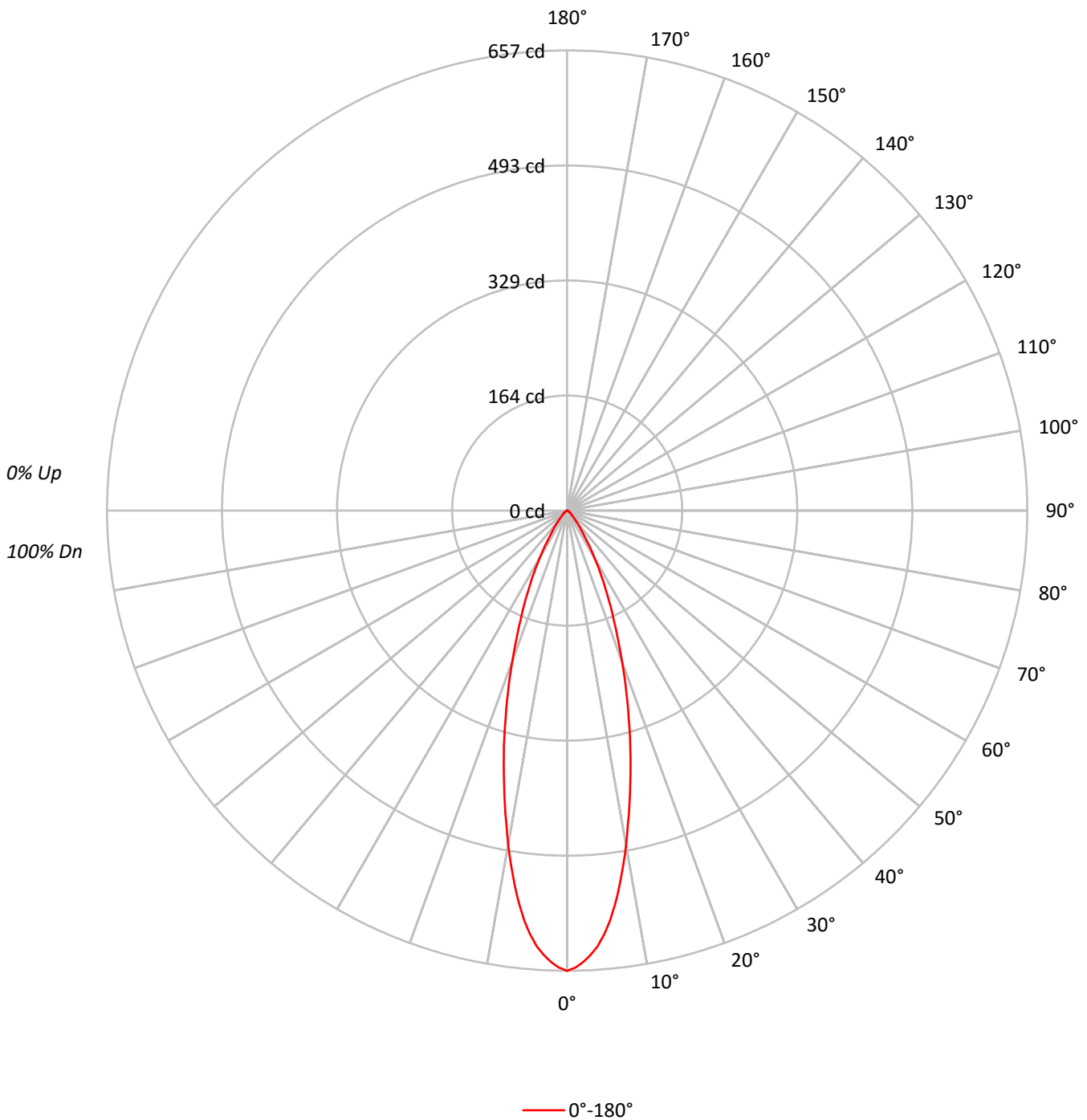
Lumens per Lamp: N/A
Luminaire Lumens: 256.8 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.8
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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		88	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75		81	77	74		80	77	74	73
7	89	81	76	72	88	80	75	72	79	74	71		78	74	71		77	73	71	69
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74	70	68	66
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	71	66	63	70	65	62		69	65	62		68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	324298
5°	300675
10°	242830
15°	178110
20°	120287
25°	76540
30°	44722
35°	23671
40°	12946
45°	6977
50°	4912
55°	3957
60°	2664
65°	2101
70°	1298
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	21.0
10°-20°	95.6	37.2
20°-30°	65.0	25.3
30°-40°	26.4	10.3
40°-50°	8.8	3.4
50°-60°	4.1	1.6
60°-70°	2.0	0.8
70°-80°	1.0	0.4
80°-90°	0.1	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°	214.5	83.5
0°-40°	240.9	93.8
0°-60°	253.8	98.8
0°-90°	256.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	256.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	657	
5°	607	54
15°	349	96
25°	141	65
35°	39	26
45°	10	9
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	657.3
1°	652.7
2°	645.4
3°	635.4
4°	623.5
5°	607.1
6°	587.9
7°	565.1
8°	539.5
9°	512.1
10°	484.7
11°	455.5
12°	428.1
13°	400.8
14°	374.3
15°	348.7
16°	322.2
17°	297.6
18°	273.9
19°	252.0
20°	229.1
21°	208.1
22°	189.9
23°	171.6
24°	155.2
25°	140.6
26°	126.0
27°	113.2
28°	101.3
29°	89.5
30°	78.5
32.5°	55.7
35°	39.3
37.5°	28.3
40°	20.1
42.5°	14.6
45°	10.0
47.5°	8.2
50°	6.4
52.5°	5.5
55°	4.6
57.5°	3.7
60°	2.7
62.5°	2.7
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)