

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: P246999

Luminaire Tested: **203-FL-8LED2725-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246999
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED2725-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, FLUSH HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 90 CRI 25° NFL LED
SM16-07-25D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

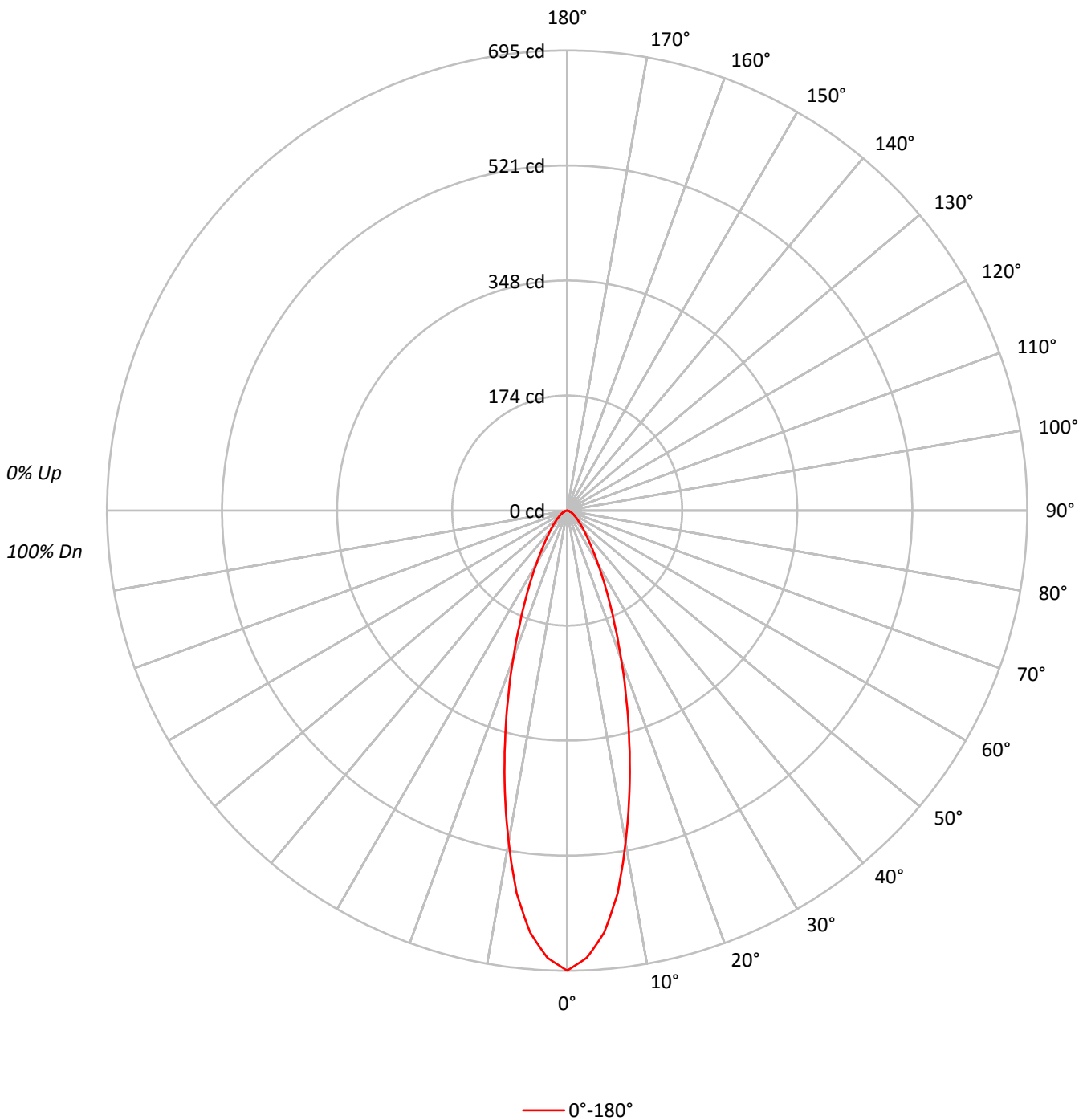
Lumens per Lamp: N/A
Luminaire Lumens: 309.1 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	101	95	90	86	92	88	85		90	86	84		87	85	82	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	79	75	82	78	74		81	76	73		79	75	73	71
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62		70	65	62		69	65	62	60
9	78	69	63	60	77	68	63	59	68	63	59		67	62	59		66	62	59	58
10	75	66	60	57	74	65	60	57	65	60	57		64	59	56		63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	342751
5°	316920
10°	254754
15°	185108
20°	124645
25°	81004
30°	53040
35°	35717
40°	25312
45°	19118
50°	14737
55°	11784
60°	9868
65°	8522
70°	6636
75°	5147
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	18.4
10°-20°	100.0	32.3
20°-30°	69.8	22.6
30°-40°	38.3	12.4
40°-50°	21.5	7.0
50°-60°	12.6	4.1
60°-70°	7.0	2.3
70°-80°	2.9	0.9
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°	226.7	73.3
0°-40°	265.0	85.7
0°-60°	299.1	96.8
0°-90°	309.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	695	
5°	640	57
15°	362	100
25°	149	70
35°	59	38
45°	27	22
55°	14	13
65°	7	7
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	694.7
2.5°	676.4
5°	639.9
7.5°	583.3
10°	508.5
12.5°	434.5
15°	362.4
17.5°	296.7
20°	237.4
22.5°	188.1
25°	148.8
27.5°	117.8
30°	93.1
32.5°	73.9
35°	59.3
37.5°	48.4
40°	39.3
42.5°	32.9
45°	27.4
47.5°	22.8
50°	19.2
52.5°	16.4
55°	13.7
57.5°	11.9
60°	10.0
62.5°	8.2
65°	7.3
67.5°	5.5
70°	4.6
72.5°	3.7
75°	2.7
77.5°	1.8
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)