

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: P246998

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246998
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-2)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, FLUSH HOOD BLACK
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: 380.9 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.33
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

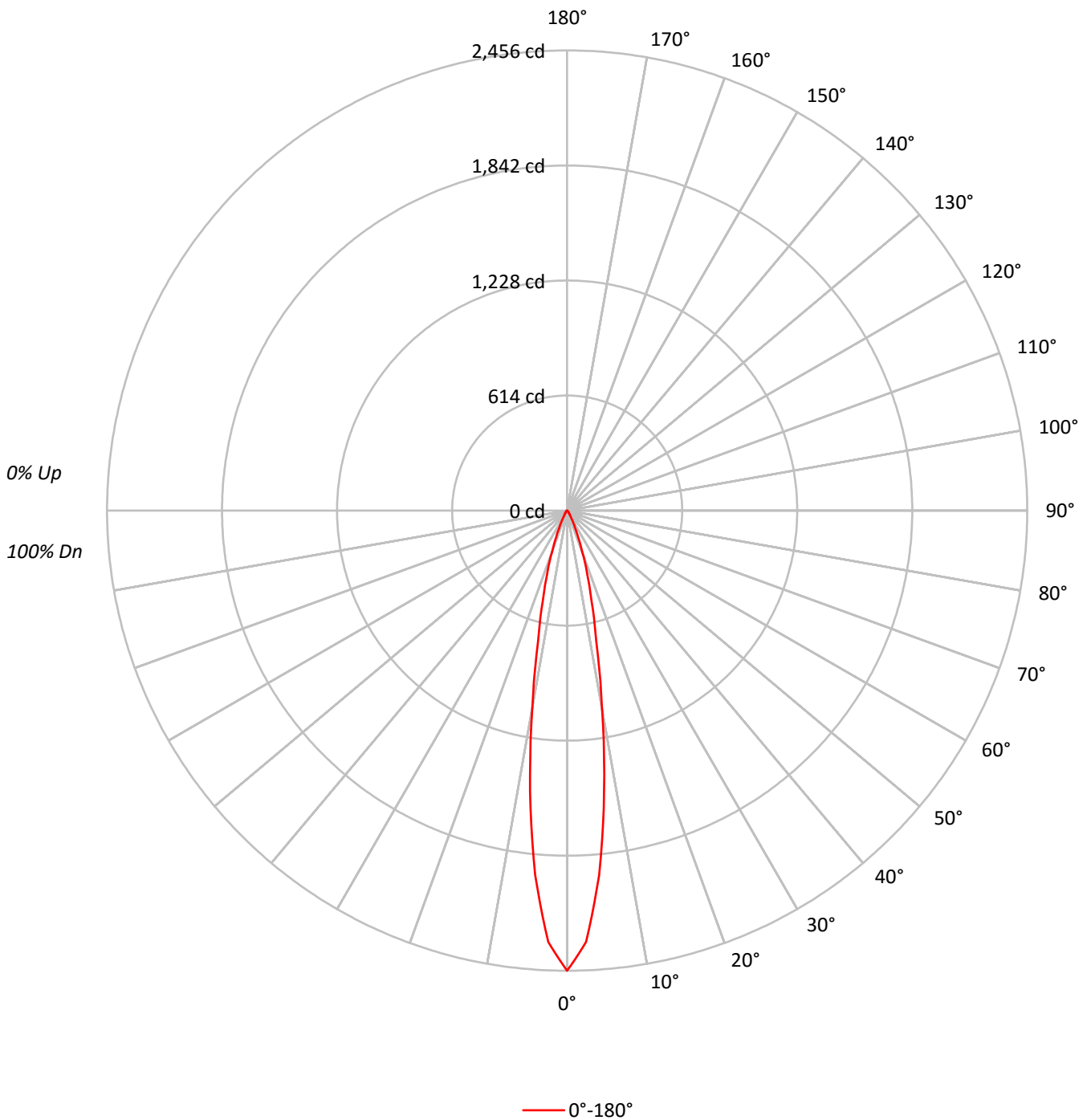
Input Watts (W): 7.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246998

CATALOG NUMBER: 203-FL-8LED2725-12-BK

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	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		92	90	89	87
5	101	96	91	88	100	95	91	88	93	90	87		92	89	87		90	88	86	85
6	99	92	88	85	97	92	88	85	90	87	85		89	86	84		88	85	84	82
7	96	90	86	83	95	89	85	82	88	85	82		87	84	82		86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78		83	80	78		82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1211592
5°	967102
10°	535108
15°	258304
20°	126063
25°	52696
30°	21307
35°	11564
40°	7085
45°	5094
50°	4222
55°	3957
60°	3651
65°	3152
70°	2597
75°	1716
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	41.5
10°-20°	147.2	38.7
20°-30°	49.3	13.0
30°-40°	12.8	3.4
40°-50°	5.8	1.5
50°-60°	3.9	1.0
60°-70°	2.7	0.7
70°-80°	1.2	0.3
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°	354.5	93.1
0°-40°	367.3	96.4
0°-60°	377.0	99.0
0°-90°	380.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2456	
5°	1953	158
15°	506	147
25°	97	49
35°	19	13
45°	7	6
55°	5	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2455.7
2.5°	2305.0
5°	1952.7
7.5°	1512.7
10°	1068.1
12.5°	717.5
15°	505.7
17.5°	359.7
20°	240.1
22.5°	153.4
25°	96.8
27.5°	60.3
30°	37.4
32.5°	24.6
35°	19.2
37.5°	15.5
40°	11.0
42.5°	8.2
45°	7.3
47.5°	6.4
50°	5.5
52.5°	4.6
55°	4.6
57.5°	3.7
60°	3.7
62.5°	2.7
65°	2.7
67.5°	2.7
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)