

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: P246957

Luminaire Tested: **203-FL-8LED3025-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246957
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-17)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-FL-8LED3025-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, FLUSH HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI 25° NFL
SM16-07-25D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

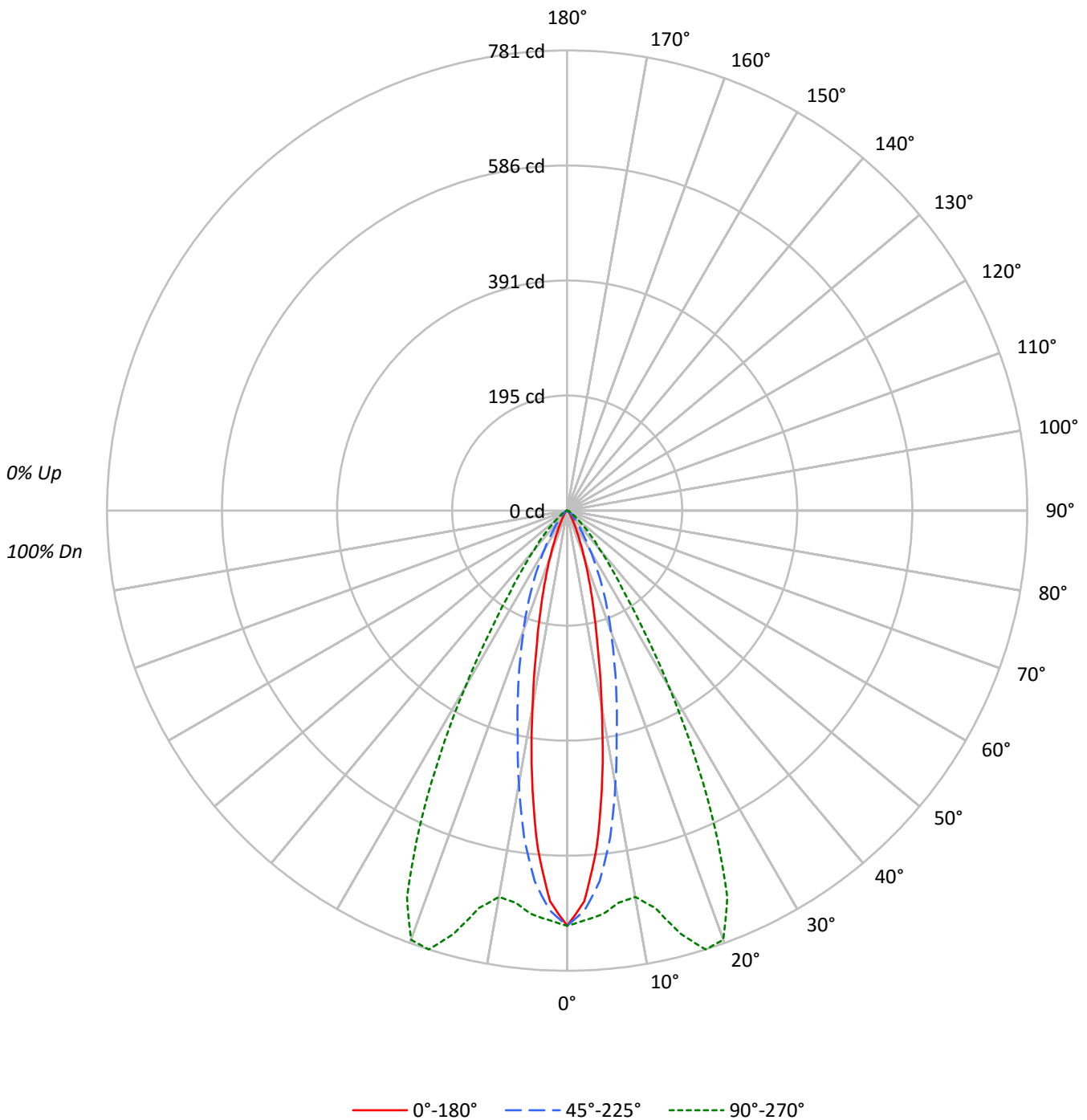
Lumens per Lamp: N/A
Luminaire Lumens: 332.5 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 1.01 / 0.56
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88				88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83				83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78				78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73				73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69				69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66				66
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62				62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59				59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57				57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	347734	347734	347734
5°	284480	312611	340692
10°	168784	236267	333560
15°	87855	164830	379462
20°	44681	113567	406804
25°	20741	74798	322874
30°	10597	44950	196947
35°	6384	25116	100886
40°	5152	14813	55389
45°	3698	8652	32794
50°	3377	6140	17654
55°	3011	4559	10666
60°	2664	3454	7006
65°	3152	3152	5137
70°	2597	2597	3895
75°	1716	1716	1716
80°	2557	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	16.7
10°-20°	108.9	32.8
20°-30°	98.2	29.5
30°-40°	43.6	13.1
40°-50°	15.8	4.8
50°-60°	6.3	1.9
60°-70°	3.0	0.9
70°-80°	1.1	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°	262.6	79.0
0°-40°	306.2	92.1
0°-60°	328.4	98.7
0°-90°	332.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	332.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	705	705	705	705	705	
5°	574	590	631	672	688	47
15°	172	207	323	565	743	49
25°	38	54	137	358	593	19
35°	11	15	42	117	168	7
45°	5	7	12	30	47	4
55°	4	4	5	9	12	3
65°	3	3	3	4	4	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	704.8	704.8	704.8	704.8	704.8
2.5°	664.0	670.2	679.1	690.6	695.9
5°	574.4	589.5	631.2	672.0	687.9
7.5°	456.5	485.8	559.4	634.7	671.1
10°	336.9	371.4	471.6	594.8	665.8
12.5°	240.2	275.7	387.4	574.4	690.6
15°	172.0	207.4	322.7	564.7	742.9
17.5°	123.2	155.1	264.2	547.0	781.0
20°	85.1	112.6	216.3	507.1	774.8
22.5°	56.7	77.1	175.5	439.7	710.1
25°	38.1	54.1	137.4	358.1	593.1
27.5°	25.7	37.2	105.5	278.4	466.3
30°	18.6	26.6	78.9	207.4	345.7
32.5°	13.3	18.6	57.6	158.7	242.0
35°	10.6	15.1	41.7	117.0	167.5
37.5°	9.8	12.4	31.0	84.2	122.3
40°	8.0	10.6	23.0	61.2	86.0
42.5°	6.2	8.9	16.8	43.4	67.4
45°	5.3	7.1	12.4	30.1	47.0
47.5°	5.3	6.2	9.8	23.0	32.8
50°	4.4	5.3	8.0	16.8	23.0
52.5°	4.4	4.4	7.1	12.4	16.8
55°	3.5	4.4	5.3	8.9	12.4
57.5°	3.5	3.5	4.4	7.1	10.6
60°	2.7	3.5	3.5	5.3	7.1
62.5°	2.7	2.7	3.5	4.4	5.3
65°	2.7	2.7	2.7	3.5	4.4
67.5°	1.8	1.8	1.8	2.7	3.5
70°	1.8	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	1.8	1.8
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)