

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: P247000

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247000
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-8LED2725-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, FLUSH HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI 25° NFL
SM16-07-25D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

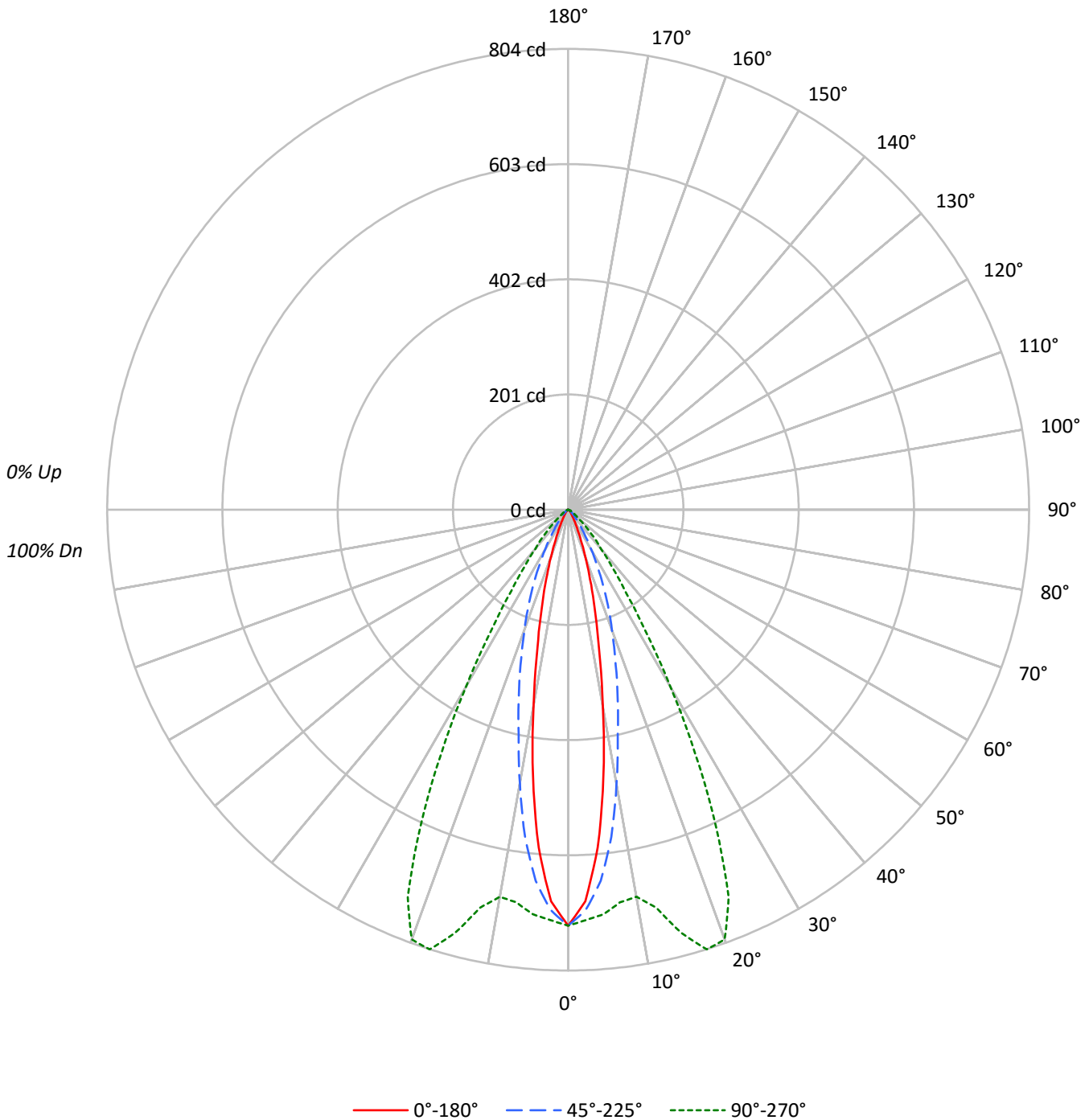
Lumens per Lamp: N/A
Luminaire Lumens: 342.4 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 1.01 / 0.56
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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°	358046	358046	358046
5°	292949	321922	350845
10°	173794	243331	343479
15°	90460	169734	390750
20°	45994	116927	418932
25°	21394	77030	332455
30°	10938	46260	202815
35°	6625	25839	103898
40°	5281	15264	56999
45°	3838	8931	33771
50°	3531	6294	18191
55°	3183	4731	11010
60°	2664	3651	7203
65°	3152	3152	5370
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°	57.1	16.7
10°-20°	112.2	32.8
20°-30°	101.2	29.5
30°-40°	44.9	13.1
40°-50°	16.3	4.8
50°-60°	6.5	1.9
60°-70°	3.1	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°	270.5	79.0
0°-40°	315.4	92.1
0°-60°	338.2	98.8
0°-90°	342.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	592	607	650	692	708	49
15°	177	214	332	582	765	51
25°	39	56	142	369	611	20
35°	11	16	43	120	172	7
45°	6	7	13	31	48	5
55°	4	5	6	9	13	3
65°	3	3	3	4	5	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°	725.7	725.7	725.7	725.7	725.7
2.5°	683.8	690.1	699.3	711.1	716.6
5°	591.5	607.1	650.0	692.0	708.4
7.5°	470.1	500.3	576.0	653.6	691.1
10°	346.9	382.5	485.7	612.5	685.6
12.5°	247.4	283.9	398.9	591.5	711.1
15°	177.1	213.6	332.3	581.5	765.0
17.5°	126.9	159.8	272.0	563.3	804.3
20°	87.6	115.9	222.7	522.2	797.9
22.5°	58.4	79.4	180.8	452.8	731.2
25°	39.3	55.7	141.5	368.8	610.7
27.5°	26.5	38.3	108.6	286.6	480.2
30°	19.2	27.4	81.2	213.6	356.0
32.5°	13.7	19.2	59.3	163.4	249.2
35°	11.0	15.5	42.9	120.5	172.5
37.5°	10.0	12.8	32.0	86.7	126.0
40°	8.2	11.0	23.7	63.0	88.5
42.5°	6.4	9.1	17.3	44.7	69.4
45°	5.5	7.3	12.8	31.0	48.4
47.5°	5.5	6.4	10.0	23.7	33.8
50°	4.6	5.5	8.2	17.3	23.7
52.5°	4.6	4.6	7.3	12.8	17.3
55°	3.7	4.6	5.5	9.1	12.8
57.5°	3.7	3.7	4.6	7.3	11.0
60°	2.7	3.7	3.7	5.5	7.3
62.5°	2.7	2.7	3.7	4.6	5.5
65°	2.7	2.7	2.7	3.7	4.6
67.5°	1.8	1.8	1.8	2.7	3.7
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)