

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: P246980

Luminaire Tested: **213-8LED3025-12-CS-LSL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246980  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-41)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 213-8LED3025-12-CS-LSL  
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, LINEAR SPREAD LENS  
Light Source: (1) SORAA 3000K 90 CRI LED  
SM16-07-25D-930-03  
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

**Summary**

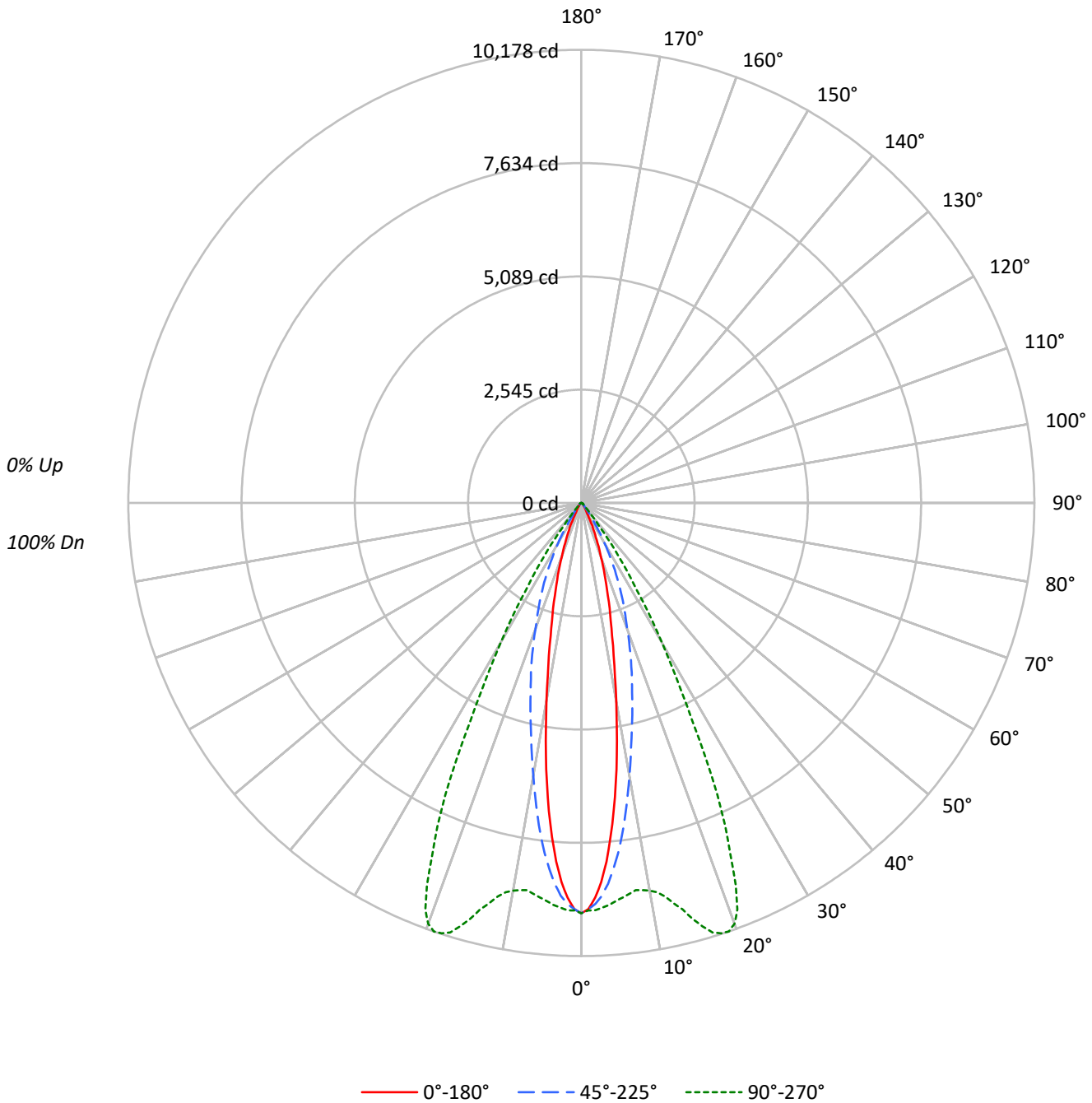
Lumens per Lamp: N/A  
Luminaire Lumens: 4000.0 lumens  
Efficiency: N/A  
Efficacy: 540.5 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.58  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.4  
Input Voltage (V): NR  
Input Current (Ain): 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	101	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	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	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	89	81	75	72	87	80	75	71	79	74	71	78	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	64	62	68	64	61	60

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4546986	4546986	4546986
5°	3733004	4088158	4443312
10°	2254258	3114058	4430962
15°	1250297	2252558	4943011
20°	679406	1588099	5282936
25°	335286	1074396	3935570
30°	131773	598818	2066778
35°	85347	215987	880450
40°	57708	91263	222588
45°	44377	53447	80729
50°	38839	48817	58795
55°	33547	33547	43525
60°	25656	25656	38484
65°	15177	30353	30353
70°	18753	18753	18753
75°	24782	24782	24782
80°	0	0	36936
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	729.1	18.2
10°-20°	1462.9	36.6
20°-30°	1261.1	31.5
30°-40°	401.7	10.0
40°-50°	72.5	1.8
50°-60°	39.5	1.0
60°-70°	20.2	0.5
70°-80°	12.2	0.3
80°-90°	0.7	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°	3453.1	86.3
0°-40°	3854.8	96.4
0°-60°	3966.9	99.2
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9216	9216	9216	9216	9216	
5°	7537	7819	8254	8779	8972	619
15°	2448	2974	4410	7448	9677	686
25°	616	859	1974	4461	7229	288
35°	142	166	359	1051	1462	90
45°	64	64	77	103	116	50
55°	39	39	39	51	51	35
65°	13	13	26	26	26	14
75°	13	13	13	13	13	9
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°	9216.0	9216.0	9216.0	9216.0	9216.0
1°	9126.3	9139.4	9126.3	9152.4	9152.4
2°	8870.4	8934.0	9010.7	9126.3	9152.4
3°	8523.4	8639.1	8831.4	9036.7	9100.3
4°	8075.2	8267.5	8575.5	8921.0	9049.7
5°	7537.4	7819.3	8254.5	8779.3	8971.6
6°	6960.5	7293.0	7908.9	8626.1	8908.0
7°	6344.5	6742.1	7511.3	8459.8	8844.4
8°	5730.0	6165.2	7087.7	8254.5	8779.3
9°	5088.1	5588.3	6652.5	8049.2	8805.4
10°	4499.6	5037.5	6215.8	7908.9	8844.4
11°	3960.3	4511.2	5806.7	7767.2	8908.0
12°	3499.1	4063.0	5409.0	7664.6	9036.7
13°	3063.8	3653.8	5063.5	7588.0	9229.0
14°	2729.8	3293.8	4729.5	7524.3	9408.4
15°	2447.8	2974.1	4410.0	7447.7	9677.3
16°	2165.9	2679.2	4115.0	7369.6	9895.6
17°	1910.0	2421.8	3844.6	7267.0	10087.9
18°	1704.7	2165.9	3562.7	7113.7	10164.6
19°	1473.3	1910.0	3293.8	6934.4	10177.6
20°	1294.0	1678.6	3024.7	6691.5	10061.9
21°	1127.8	1473.3	2781.8	6396.6	9780.0
22°	974.5	1294.0	2589.5	5999.0	9266.6
23°	832.8	1127.8	2384.2	5562.3	8562.5
24°	717.1	987.5	2178.9	4985.4	7946.5
25°	615.9	858.8	1973.6	4460.6	7229.4
26°	513.3	730.2	1781.3	3986.3	6396.6
27°	410.6	615.9	1589.0	3525.1	5498.7
28°	332.5	500.3	1396.7	3088.3	4781.5
29°	268.9	410.6	1217.4	2692.2	4178.6
30°	231.3	332.5	1051.1	2384.2	3627.8
32.5°	179.3	218.3	640.5	1678.6	2320.6
35°	141.7	166.3	358.6	1051.1	1461.8
37.5°	102.7	115.7	218.3	524.8	679.6
40°	89.6	102.7	141.7	255.9	345.6
42.5°	76.6	76.6	102.7	141.7	179.3
45°	63.6	63.6	76.6	102.7	115.7
47.5°	50.6	50.6	63.6	76.6	89.6
50°	50.6	50.6	63.6	63.6	76.6
52.5°	39.0	50.6	50.6	50.6	50.6
55°	39.0	39.0	39.0	50.6	50.6
57.5°	39.0	39.0	39.0	39.0	39.0
60°	26.0	26.0	26.0	39.0	39.0
62.5°	13.0	26.0	26.0	26.0	26.0
65°	13.0	13.0	26.0	26.0	26.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	13.0	13.0	13.0	13.0	26.0
70°	13.0	13.0	13.0	13.0	13.0
72.5°	13.0	13.0	13.0	13.0	13.0
75°	13.0	13.0	13.0	13.0	13.0
77.5°	0.0	13.0	13.0	13.0	13.0
80°	0.0	0.0	0.0	13.0	13.0
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)