

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: **230-8LED3025-12-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: 230-8LED3025-12-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**

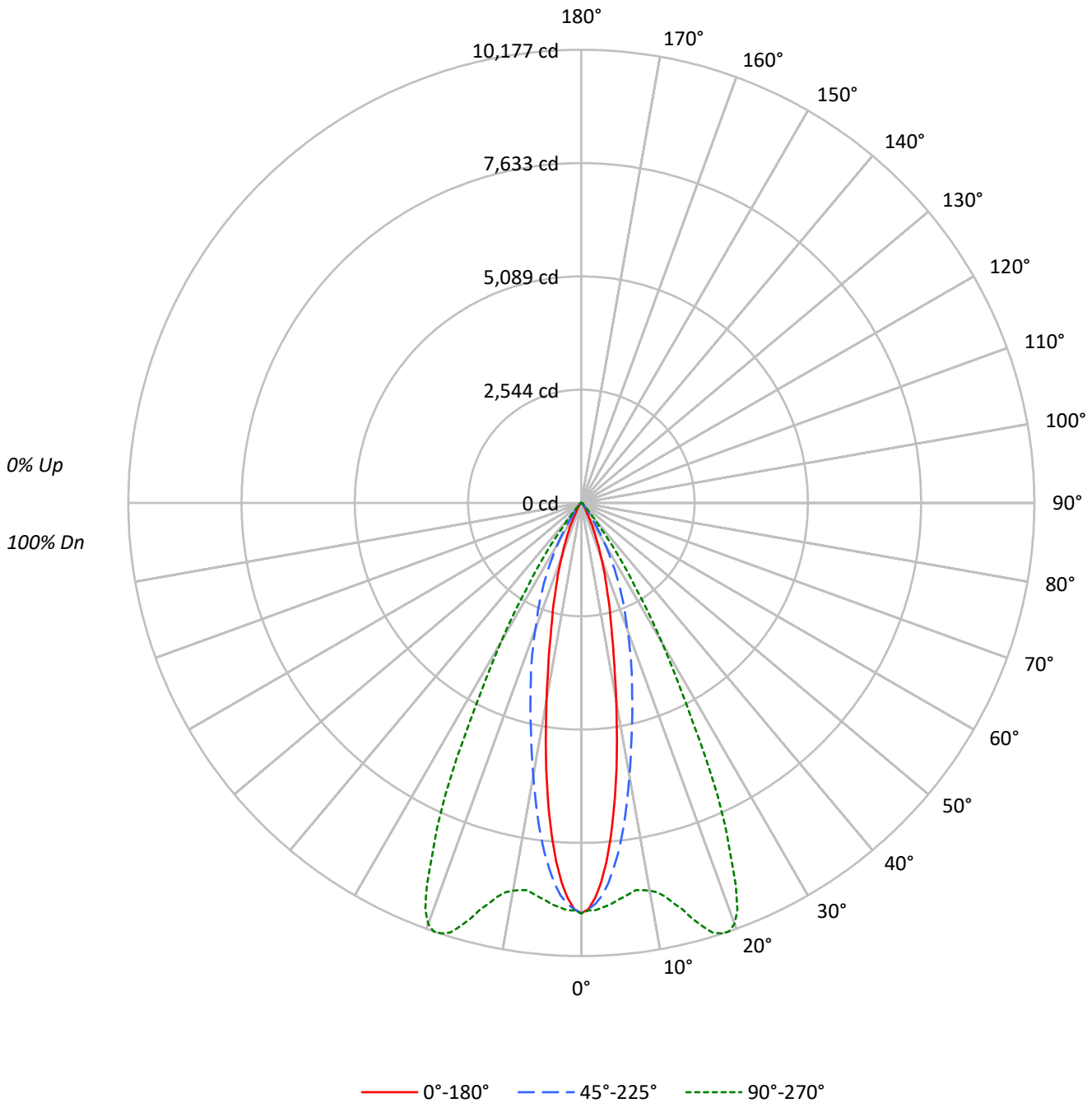
Lumens per Lamp: N/A  
Luminaire Lumens: 3999.9 lumens  
Efficiency: N/A  
Efficacy: 540.5 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.58  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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°	4546937	4546937	4546937
5°	3732955	4088109	4443263
10°	2254208	3114008	4430912
15°	1250297	2252507	4942909
20°	679406	1588099	5282831
25°	335286	1074396	3935516
30°	131773	598818	2066721
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°	3966.8	99.2
0°-90°	3999.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3999.9	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	4460	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°	9215.9	9215.9	9215.9	9215.9	9215.9
1°	9126.2	9139.3	9126.2	9152.3	9152.3
2°	8870.3	8933.9	9010.6	9126.2	9152.3
3°	8523.3	8639.0	8831.3	9036.6	9100.2
4°	8075.1	8267.4	8575.4	8920.9	9049.6
5°	7537.3	7819.2	8254.4	8779.2	8971.5
6°	6960.4	7292.9	7908.8	8626.0	8907.9
7°	6344.4	6742.0	7511.2	8459.7	8844.3
8°	5729.9	6165.1	7087.6	8254.4	8779.2
9°	5088.0	5588.2	6652.4	8049.1	8805.3
10°	4499.5	5037.4	6215.7	7908.8	8844.3
11°	3960.2	4511.1	5806.6	7767.1	8907.9
12°	3499.0	4062.9	5408.9	7664.5	9036.6
13°	3063.8	3653.7	5063.4	7587.9	9228.9
14°	2729.8	3293.7	4729.4	7524.2	9408.2
15°	2447.8	2974.1	4409.9	7447.6	9677.1
16°	2165.9	2679.2	4114.9	7369.5	9895.4
17°	1910.0	2421.8	3844.5	7266.9	10087.7
18°	1704.7	2165.9	3562.6	7113.6	10164.4
19°	1473.3	1910.0	3293.7	6934.3	10177.4
20°	1294.0	1678.6	3024.7	6691.4	10061.7
21°	1127.8	1473.3	2781.8	6396.5	9779.8
22°	974.5	1294.0	2589.5	5998.9	9266.5
23°	832.8	1127.8	2384.2	5562.2	8562.4
24°	717.1	987.5	2178.9	4985.3	7946.4
25°	615.9	858.8	1973.6	4460.5	7229.3
26°	513.3	730.2	1781.3	3986.2	6396.5
27°	410.6	615.9	1589.0	3525.0	5498.6
28°	332.5	500.3	1396.7	3088.3	4781.4
29°	268.9	410.6	1217.4	2692.2	4178.5
30°	231.3	332.5	1051.1	2384.2	3627.7
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)