

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: P246975

Luminaire Tested: **230-8LED3025-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246975
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-29)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED3025-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

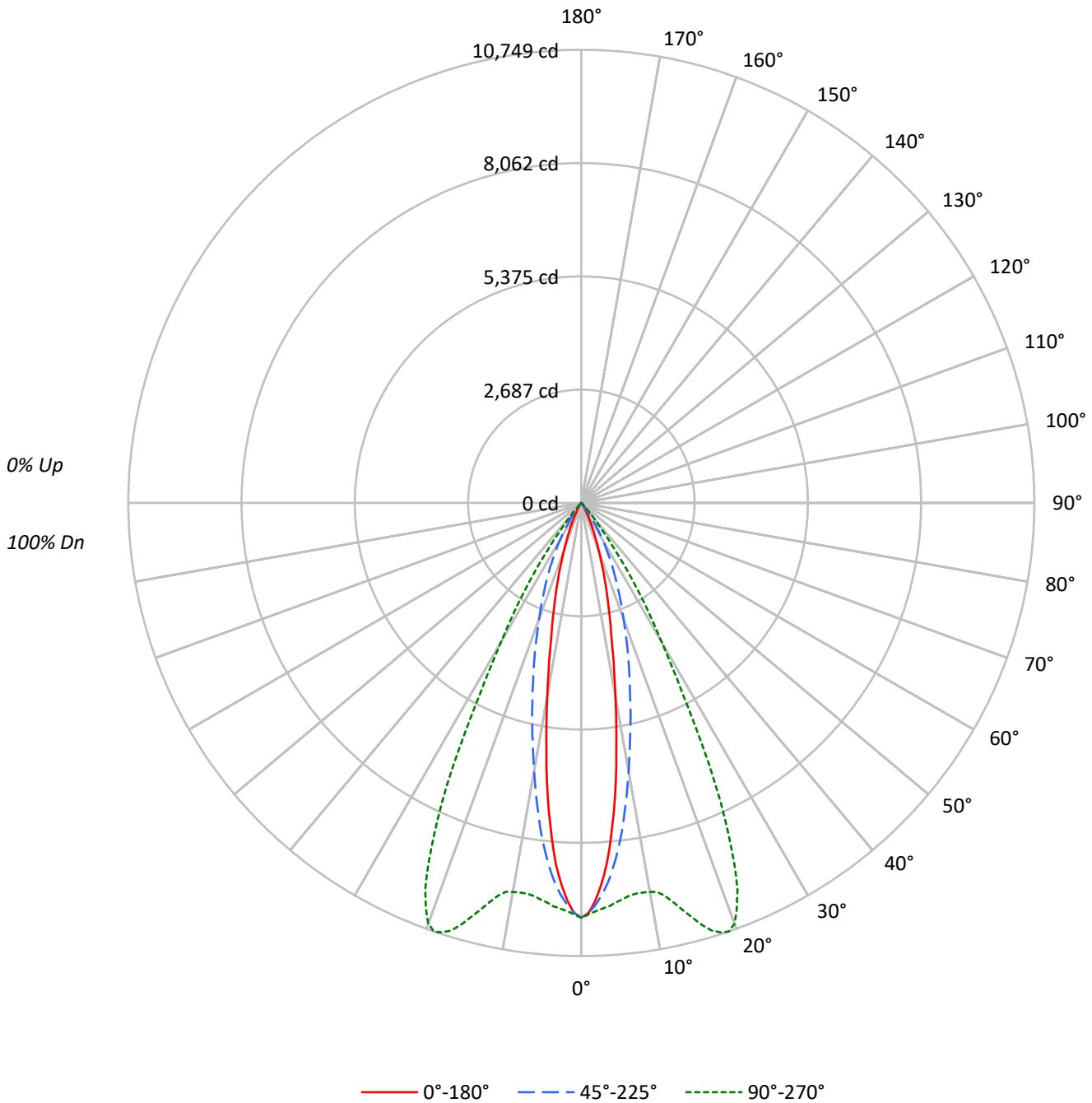
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 506.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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



TEST NUMBER: P246975
CATALOG NUMBER: 230-8LED3025-12-BK-LSL

Luminous Intensity Polar Plot





TEST NUMBER: P246975
 CATALOG NUMBER: 230-8LED3025-12-BK-LSL

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	69	77	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4854361	4854361	4854361
5°	3970682	4296367	4709665
10°	2337773	3237552	4694834
15°	1253311	2267575	5199731
20°	637403	1540688	5577853
25°	295873	1011901	4254961
30°	100781	568908	2175649
35°	45534	197616	967483
40°	24796	65243	252665
45°	17932	26863	43818
50°	9825	19726	19726
55°	11010	11010	11010
60°	12631	12631	12631
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



TEST NUMBER: P246975
 CATALOG NUMBER: 230-8LED3025-12-BK-LSL

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.7	19.1
10°-20°	1496.0	37.4
20°-30°	1278.8	32.0
30°-40°	400.9	10.0
40°-50°	44.7	1.1
50°-60°	12.3	0.3
60°-70°	1.5	0.0
70°-80°	0.0	0.0
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°	3540.5	88.5
0°-40°	3941.4	98.5
0°-60°	3998.4	100.0
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°	9839	9839	9839	9839	9839	
5°	8017	8157	8675	9270	9509	652
15°	2454	2846	4439	7765	10180	688
25°	544	746	1859	4629	7816	260
35°	76	101	328	1076	1606	55
45°	26	26	38	63	63	22
55°	13	13	13	13	13	11
65°	0	0	0	0	0	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P246975
 CATALOG NUMBER: 230-8LED3025-12-BK-LSL

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9839.0	9839.0	9839.0	9839.0	9839.0
1°	9724.8	9712.0	9724.8	9750.5	9763.4
2°	9446.7	9459.5	9548.0	9649.2	9687.8
3°	9067.2	9105.7	9308.3	9548.0	9636.4
4°	8599.3	8674.9	9030.1	9421.0	9586.5
5°	8017.3	8157.1	8674.9	9269.8	9509.4
6°	7359.6	7575.0	8284.0	9092.9	9446.7
7°	6690.6	6968.7	7866.0	8928.8	9383.9
8°	5955.9	6322.5	7385.3	8713.4	9358.2
9°	5298.2	5690.5	6930.2	8549.4	9358.2
10°	4666.3	5084.3	6462.3	8372.5	9371.1
11°	4084.2	4515.1	5994.4	8194.2	9396.7
12°	3566.4	4008.6	5589.3	8030.1	9522.3
13°	3124.2	3579.2	5197.0	7928.8	9724.8
14°	2768.9	3174.1	4793.2	7840.4	9953.1
15°	2453.7	2846.0	4439.4	7764.8	10179.9
16°	2162.7	2542.1	4109.9	7626.4	10421.0
17°	1897.3	2276.8	3793.2	7499.4	10610.7
18°	1643.4	2011.4	3490.8	7335.4	10712.0
19°	1416.6	1783.2	3199.8	7107.1	10749.1
20°	1214.0	1554.9	2934.4	6841.8	10623.6
21°	1049.9	1353.8	2693.3	6537.9	10294.0
22°	885.9	1175.5	2466.5	6108.5	9888.9
23°	758.9	998.6	2251.1	5614.9	9282.6
24°	644.8	860.2	2048.5	5121.3	8562.2
25°	543.5	746.1	1858.8	4629.2	7816.1
26°	455.1	632.0	1669.1	4122.8	6930.2
27°	379.5	543.5	1492.2	3693.4	5994.4
28°	291.0	442.2	1315.3	3249.7	5121.3
29°	228.2	353.8	1164.1	2820.3	4413.8
30°	176.9	278.2	998.6	2453.7	3818.9
32.5°	114.1	164.1	632.0	1707.6	2630.6
35°	75.6	101.3	328.1	1075.6	1606.3
37.5°	62.8	75.6	176.9	556.4	771.8
40°	38.5	49.9	101.3	239.7	392.3
42.5°	38.5	38.5	62.8	114.1	139.8
45°	25.7	25.7	38.5	62.8	62.8
47.5°	25.7	25.7	25.7	38.5	49.9
50°	12.8	12.8	25.7	25.7	25.7
52.5°	12.8	12.8	12.8	12.8	12.8
55°	12.8	12.8	12.8	12.8	12.8
57.5°	12.8	12.8	12.8	12.8	12.8
60°	12.8	12.8	12.8	12.8	12.8
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P246975
CATALOG NUMBER: 230-8LED3025-12-BK-LSL

CANDELA DISTRIBUTION (continued):

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