

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: P246974

Luminaire Tested: **203-SS-8LED3025-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246974
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3025-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI 25°NFL LED SM16-07-25D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

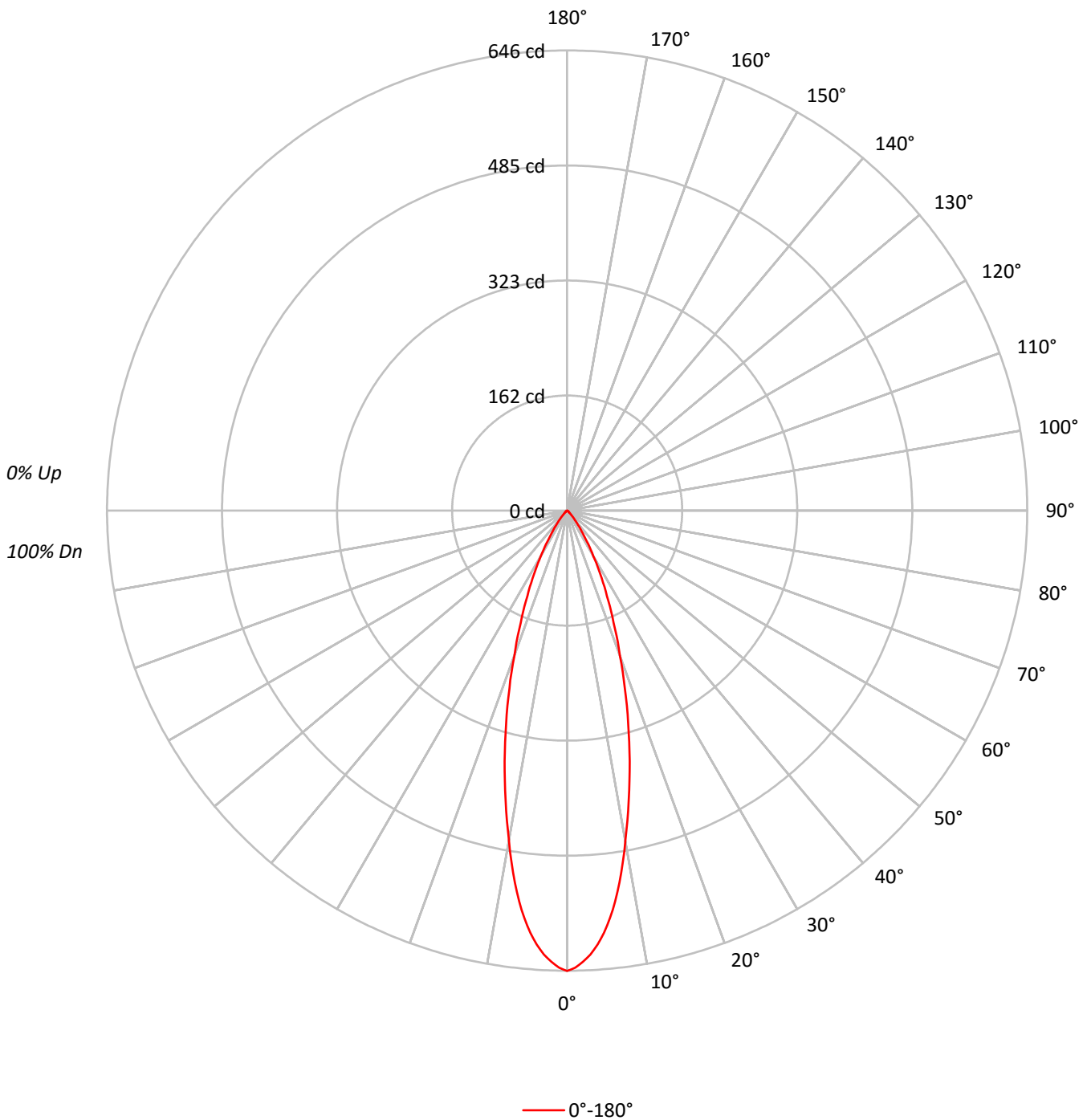
Lumens per Lamp: N/A
Luminaire Lumens: 237.4 lumens
Efficiency: N/A
Efficacy: 30.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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							
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	111	106	106	106	106	102	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	103	102	101	100	100	99	98	97	97	95	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	96	98	96	94	94	95	94	92	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	90	90	94	91	89	89	92	90	88	88	86	86	86	86
4	101	95	90	87	100	94	90	86	92	88	85	85	90	87	85	85	88	86	84	84	82	82	82	82
5	97	91	86	82	96	90	85	82	88	84	81	81	86	83	80	80	85	82	80	80	78	78	78	78
6	94	86	81	78	92	86	81	78	84	80	77	77	83	79	77	77	82	79	76	76	75	75	75	75
7	90	83	78	74	89	82	77	74	81	77	74	74	80	76	73	73	79	75	73	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	73	70	70	77	73	70	70	76	72	70	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	70	67	67	74	70	67	67	73	70	67	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	65	71	67	65	65	71	67	64	64	63	63	63	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	318871
5°	294583
10°	235816
15°	171623
20°	114039
25°	71913
30°	41930
35°	21382
40°	10305
45°	4326
50°	2072
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	22.2
10°-20°	92.4	38.9
20°-30°	61.5	25.9
30°-40°	23.7	10.0
40°-50°	5.6	2.4
50°-60°	1.2	0.5
60°-70°	0.1	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°	206.7	87.1
0°-40°	230.4	97.1
0°-60°	237.3	100.0
0°-90°	237.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	646	
5°	595	53
15°	336	92
25°	132	61
35°	36	24
45°	6	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	646.3
1°	641.8
2°	633.8
3°	624.1
4°	610.8
5°	594.8
6°	575.3
7°	553.2
8°	527.5
9°	500.0
10°	470.7
12.5°	402.5
15°	336.0
17.5°	273.9
20°	217.2
22.5°	170.2
25°	132.1
27.5°	100.2
30°	73.6
32.5°	51.4
35°	35.5
37.5°	23.9
40°	16.0
42.5°	9.8
45°	6.2
47.5°	4.4
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)