

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: P246977

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246977
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-31)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

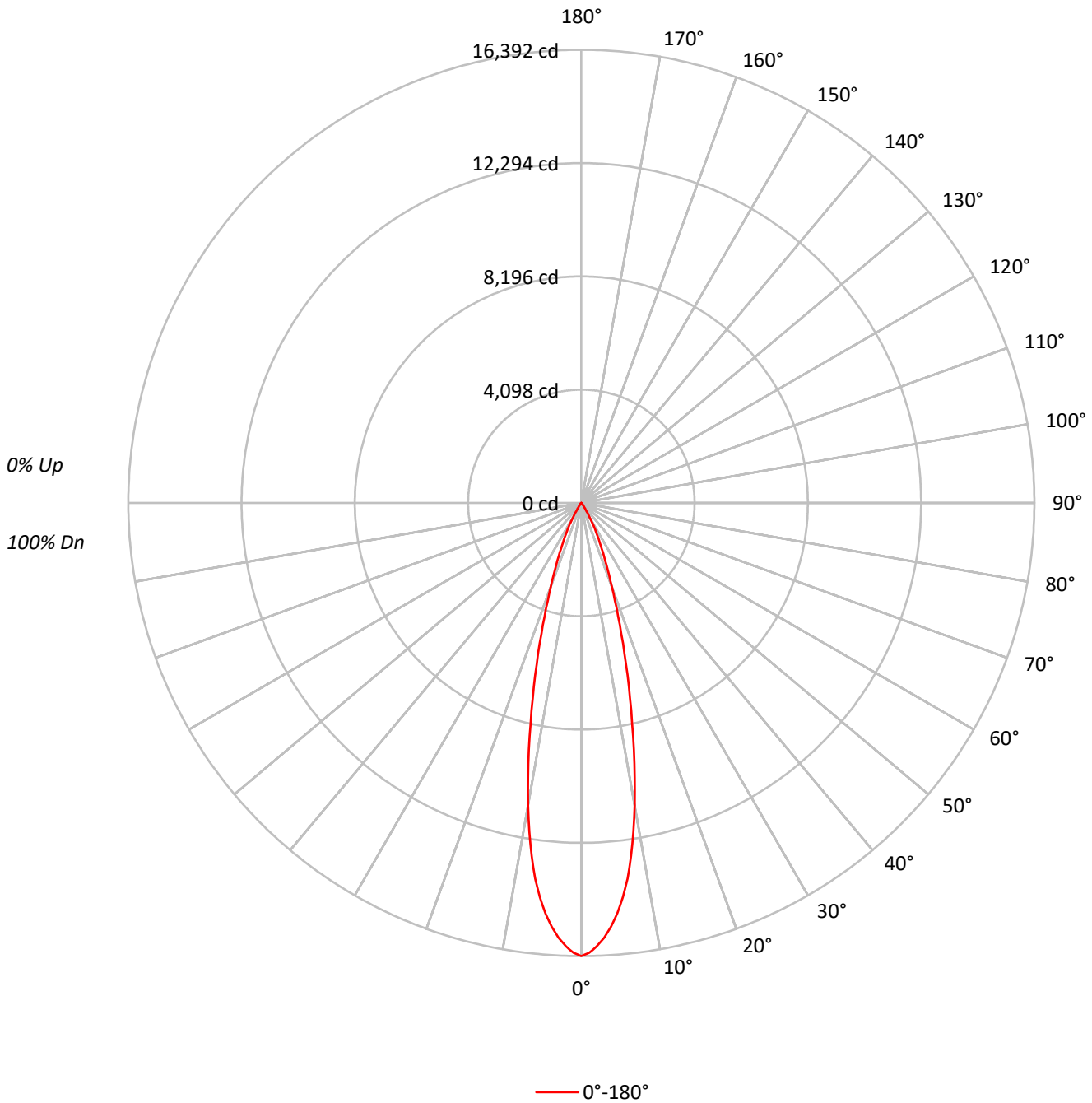
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 506.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.44
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



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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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	97
2	111	107	104	102	109	106	103	101	103	100	99	100	98	97	97	96	95	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	92	90	94	91	89	92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	87	91	88	86	90	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	92	86	81	78	91	85	81	78	84	81	78	83	80	78	82	80	77	76
9	90	83	79	76	89	82	79	76	82	78	76	81	78	75	80	77	75	74
10	87	80	76	74	86	80	76	74	79	76	73	79	76	73	78	75	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8087724
5°	7377703
10°	5558442
15°	3292412
20°	1704186
25°	858548
30°	356864
35°	104741
40°	37034
45°	24630
50°	9057
55°	10150
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1302.1	32.6
10°-20°	1777.6	44.4
20°-30°	747.7	18.7
30°-40°	137.0	3.4
40°-50°	26.5	0.7
50°-60°	9.2	0.2
60°-70°	0.0	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°	3827.3	95.7
0°-40°	3964.3	99.1
0°-60°	4000.0	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°	Flux
0°	16392	
5°	14896	###
15°	6446	1778
25°	1577	748
35°	174	137
45°	35	26
55°	12	9
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16392.5
1°	16276.1
2°	16044.6
3°	15754.3
4°	15372.5
5°	14896.5
6°	14340.7
7°	13690.7
8°	12903.5
9°	12045.6
10°	11094.9
11°	10120.6
12°	9124.1
13°	8173.4
14°	7280.2
15°	6445.8
16°	5669.0
17°	4949.8
18°	4312.9
19°	3744.1
20°	3245.8
21°	2793.3
22°	2423.2
23°	2109.4
24°	1820.4
25°	1577.1
26°	1356.1
27°	1148.2
28°	962.5
29°	800.3
30°	626.4
32.5°	290.3
35°	173.9
37.5°	104.6
40°	57.5
42.5°	45.8
45°	35.3
47.5°	23.5
50°	11.8
52.5°	11.8
55°	11.8
57.5°	11.8
60°	0.0
62.5°	0.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

	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)