

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: P246978

Luminaire Tested: **230-8LED3025-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246978
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)
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
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

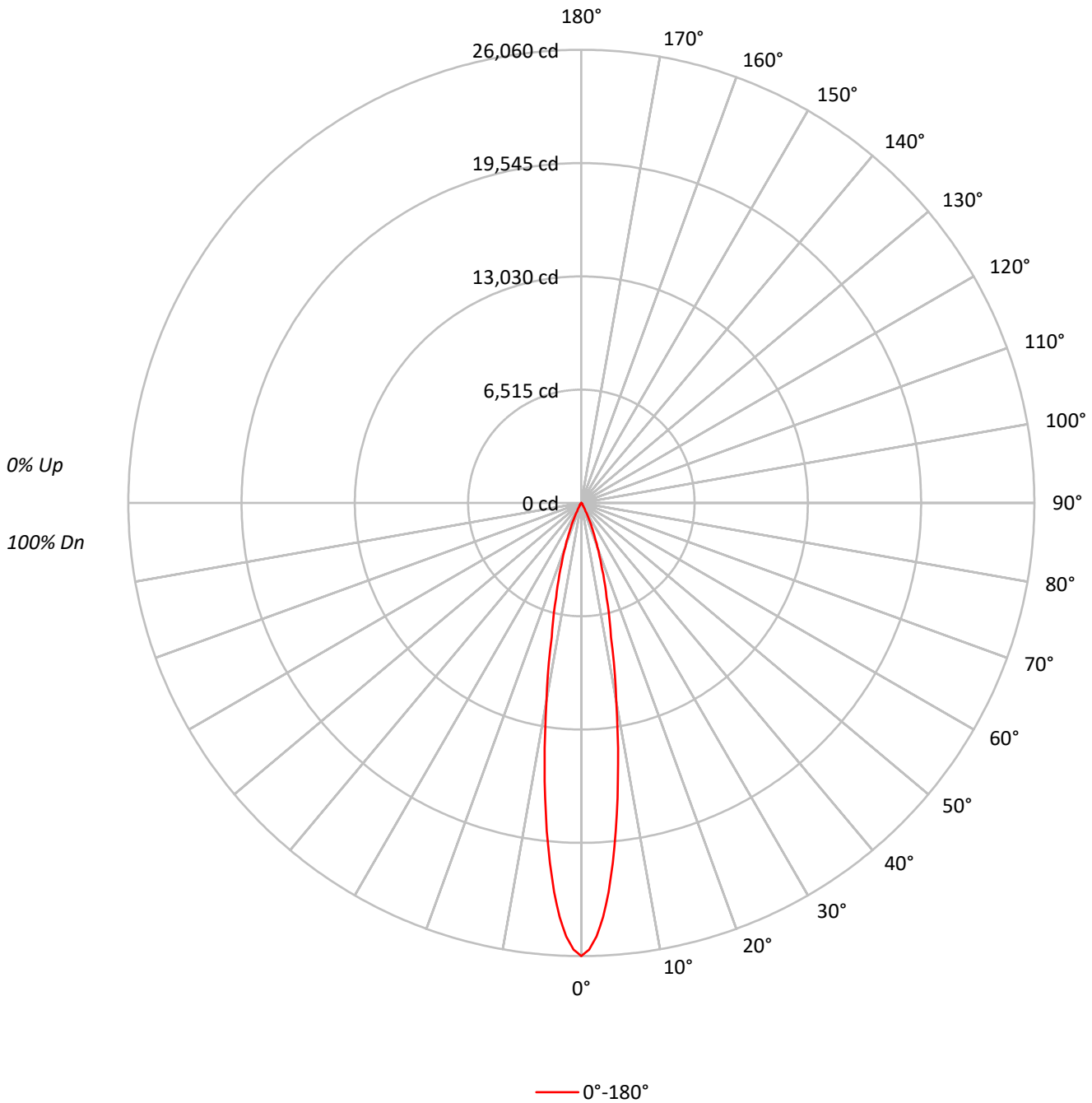
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 547.9 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	95	93	97	94	92	95	93	91	93	91	90	88
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	99	94	90	87	98	93	89	86	92	88	86	90	87	85	89	87	85	84
7	97	91	87	84	96	90	86	84	89	86	83	88	85	83	87	85	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78
10	90	84	80	78	89	84	80	78	83	80	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12857471
5°	10288866
10°	5794058
15°	2868615
20°	1416410
25°	619890
30°	151371
35°	73602
40°	42572
45°	30491
50°	33542
55°	28988
60°	22103
65°	13075
70°	16157
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1675.5	41.9
10°-20°	1623.4	40.6
20°-30°	534.7	13.4
30°-40°	84.6	2.1
40°-50°	37.9	0.9
50°-60°	30.0	0.7
60°-70°	12.5	0.3
70°-80°	1.5	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°	3833.6	95.8
0°-40°	3918.2	98.0
0°-60°	3986.1	99.7
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°	26060	
5°	20774	###
15°	5616	1623
25°	1139	535
35°	122	85
45°	44	38
55°	34	30
65°	11	12
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	26060.0
1°	25694.6
2°	24953.8
3°	23848.8
4°	22433.2
5°	20774.5
6°	18983.5
7°	17092.7
8°	15169.6
9°	13356.2
10°	11565.2
12.5°	7904.7
15°	5616.1
17.5°	3979.8
20°	2697.7
22.5°	1768.5
25°	1138.7
27.5°	520.1
30°	265.7
32.5°	177.1
35°	122.2
37.5°	88.6
40°	66.1
42.5°	54.9
45°	43.7
47.5°	43.7
50°	43.7
52.5°	33.7
55°	33.7
57.5°	33.7
60°	22.4
62.5°	11.2
65°	11.2
67.5°	11.2
70°	11.2
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)