

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: G2-1802-569-8

Luminaire Tested: **230-8LED4025-12-CS**

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-8
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-8)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED4025-12-CS
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

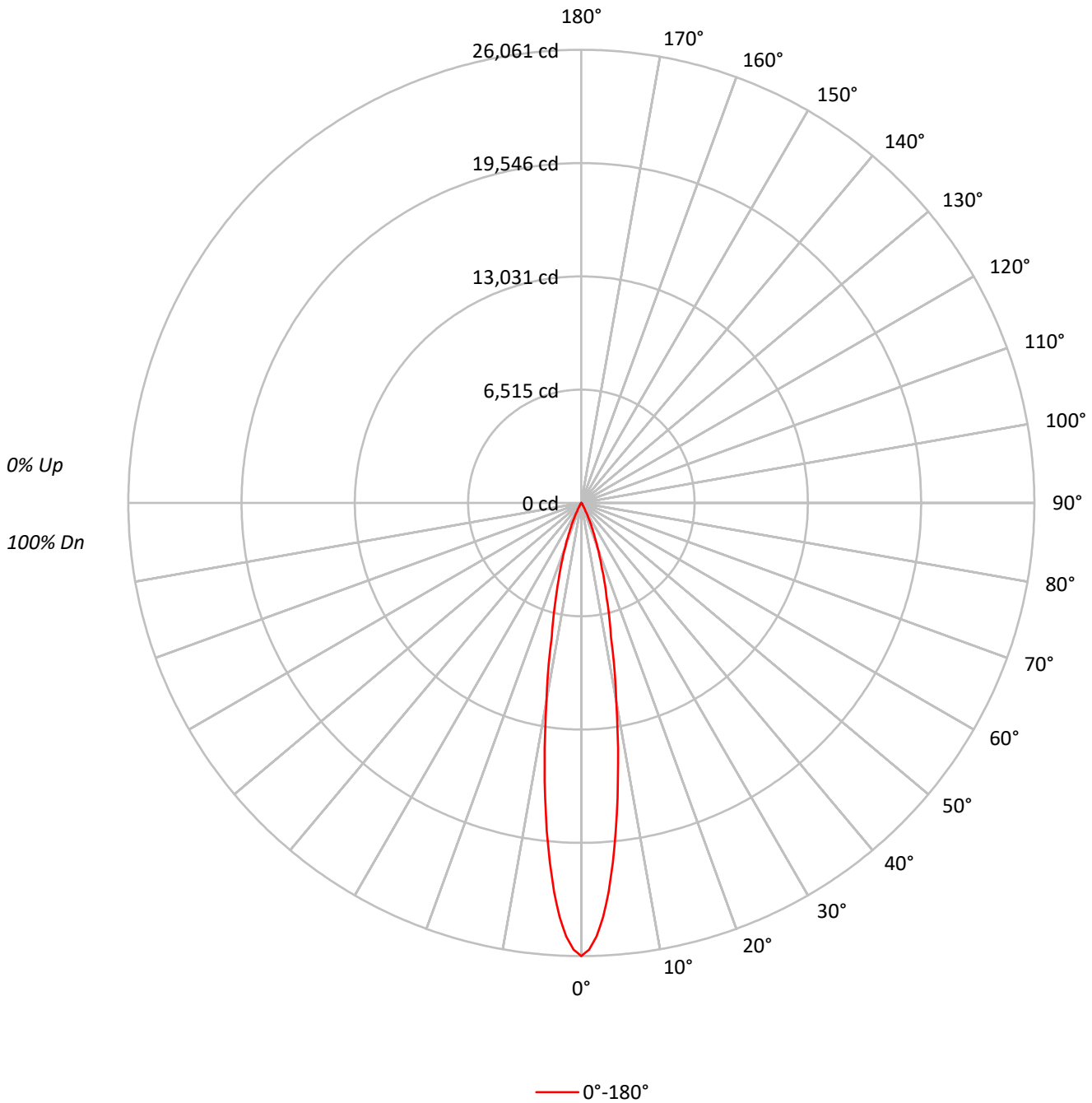
Lumens per Lamp: N/A
Luminaire Lumens: 4000.1 lumens
Efficiency: N/A
Efficacy: 548.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.34
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
Input Voltage (V): 12.0
Input Current (Ain): 0.642
Voltage Rise (V): NR
Power Factor: 0.9913
Total Harmonic Distortion (THDi): 26.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.0
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	89
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°	12857964
5°	10289510
10°	5794158
15°	2869023
20°	1416515
25°	619999
30°	151200
35°	73240
40°	42701
45°	30840
50°	33926
55°	28558
60°	21807
65°	12959
70°	16012
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1675.5	41.9
10°-20°	1623.6	40.6
20°-30°	534.8	13.4
30°-40°	84.5	2.1
40°-50°	38.3	1.0
50°-60°	29.7	0.7
60°-70°	12.3	0.3
70°-80°	1.4	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°	3833.8	95.8
0°-40°	3918.3	98.0
0°-60°	3986.3	99.7
0°-90°	4000.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26061	
5°	20776	###
15°	5617	1624
25°	1139	535
35°	122	84
45°	44	38
55°	33	30
65°	11	12
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	26061.0
1°	25696.1
2°	24955.3
3°	23849.6
4°	22434.3
5°	20775.8
6°	18984.6
7°	17093.9
8°	15170.0
9°	13356.7
10°	11565.4
12.5°	7905.6
15°	5616.9
17.5°	3980.5
20°	2697.9
22.5°	1769.1
25°	1138.9
27.5°	519.7
30°	265.4
32.5°	176.9
35°	121.6
37.5°	88.5
40°	66.3
42.5°	55.3
45°	44.2
47.5°	44.2
50°	44.2
52.5°	33.2
55°	33.2
57.5°	33.2
60°	22.1
62.5°	11.1
65°	11.1
67.5°	11.1
70°	11.1
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)