

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: G2-1802-569-42

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

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-42
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-42)
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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

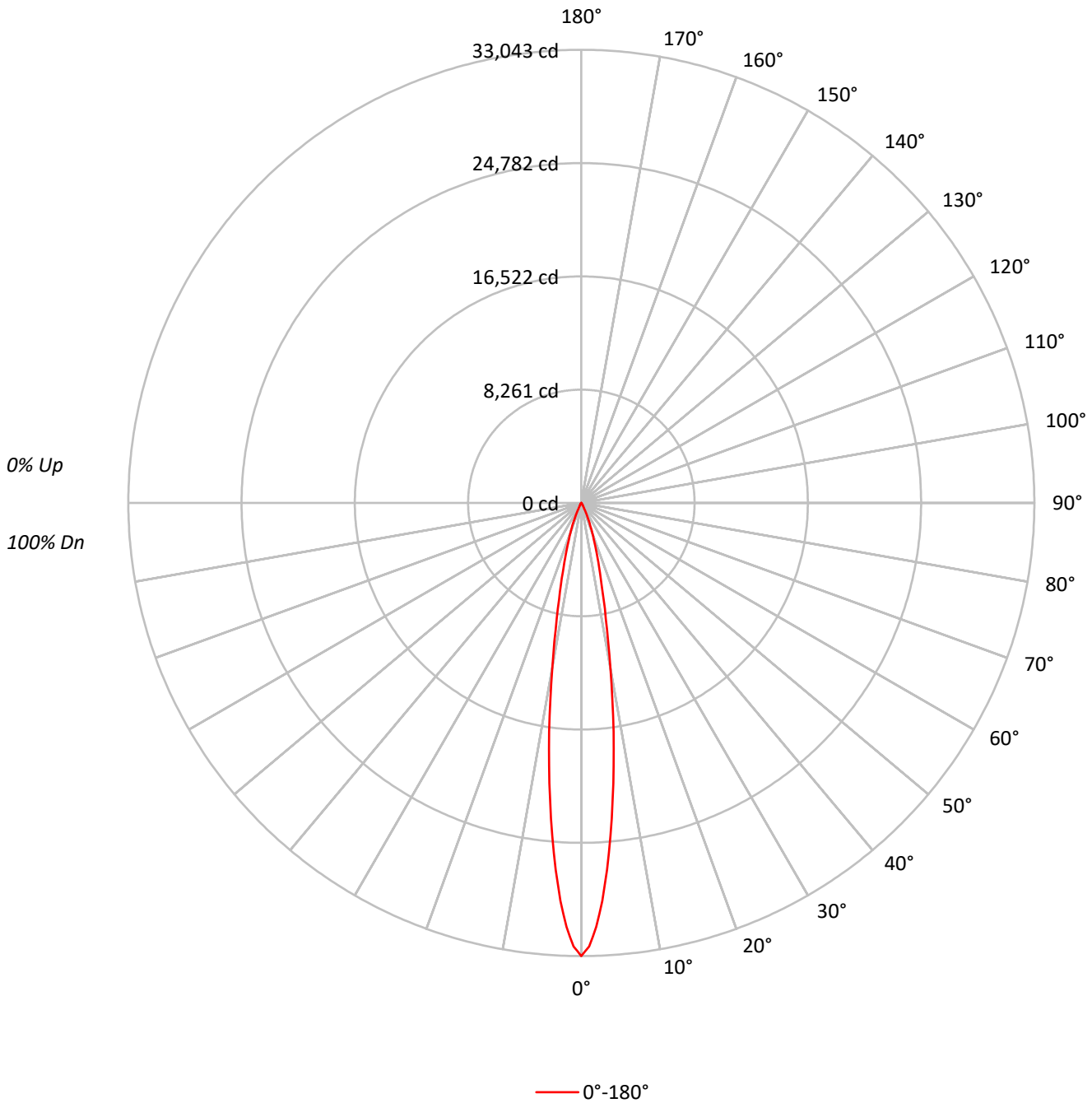
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 555.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): 12.0
Input Current (Ain): 0.629
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): 25.2
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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93
4	106	101	98	95	105	100	97	95	98	96	94	97	94	92	95	93	91	90
5	104	98	95	92	102	97	94	92	96	93	91	94	92	90	93	91	89	88
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86
7	99	93	89	87	98	93	89	87	91	88	86	90	88	86	90	87	85	84
8	97	91	87	85	96	90	87	85	89	86	84	89	86	84	88	85	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	81	85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	16302592
5°	12070281
10°	6148409
15°	2678501
20°	1219046
25°	455704
30°	134963
35°	66615
40°	40705
45°	22049
50°	12127
55°	13591
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1925.7	48.1
10°-20°	1534.0	38.3
20°-30°	427.8	10.7
30°-40°	78.4	2.0
40°-50°	25.4	0.6
50°-60°	8.7	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°	3887.5	97.2
0°-40°	3965.9	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°	33043	
5°	24371	###
15°	5244	1534
25°	837	428
35°	111	78
45°	32	25
55°	16	9
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	33042.7
1°	32347.7
2°	30926.2
3°	29062.4
4°	26819.5
5°	24371.4
6°	21828.4
7°	19317.0
8°	16853.0
9°	14468.0
10°	12272.5
11°	10266.6
12°	8592.4
13°	7218.2
14°	6112.6
15°	5243.9
16°	4501.5
17°	3853.9
18°	3269.5
19°	2764.1
20°	2321.8
22.5°	1421.5
25°	837.1
26°	631.8
27°	505.4
28°	379.1
29°	300.1
30°	236.9
32.5°	173.7
35°	110.6
37.5°	79.0
40°	63.2
42.5°	47.4
45°	31.6
47.5°	15.8
50°	15.8
52.5°	15.8
55°	15.8
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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)