

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: G2-1802-569-43

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

Test Date: 04/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-43
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)
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-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-25D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

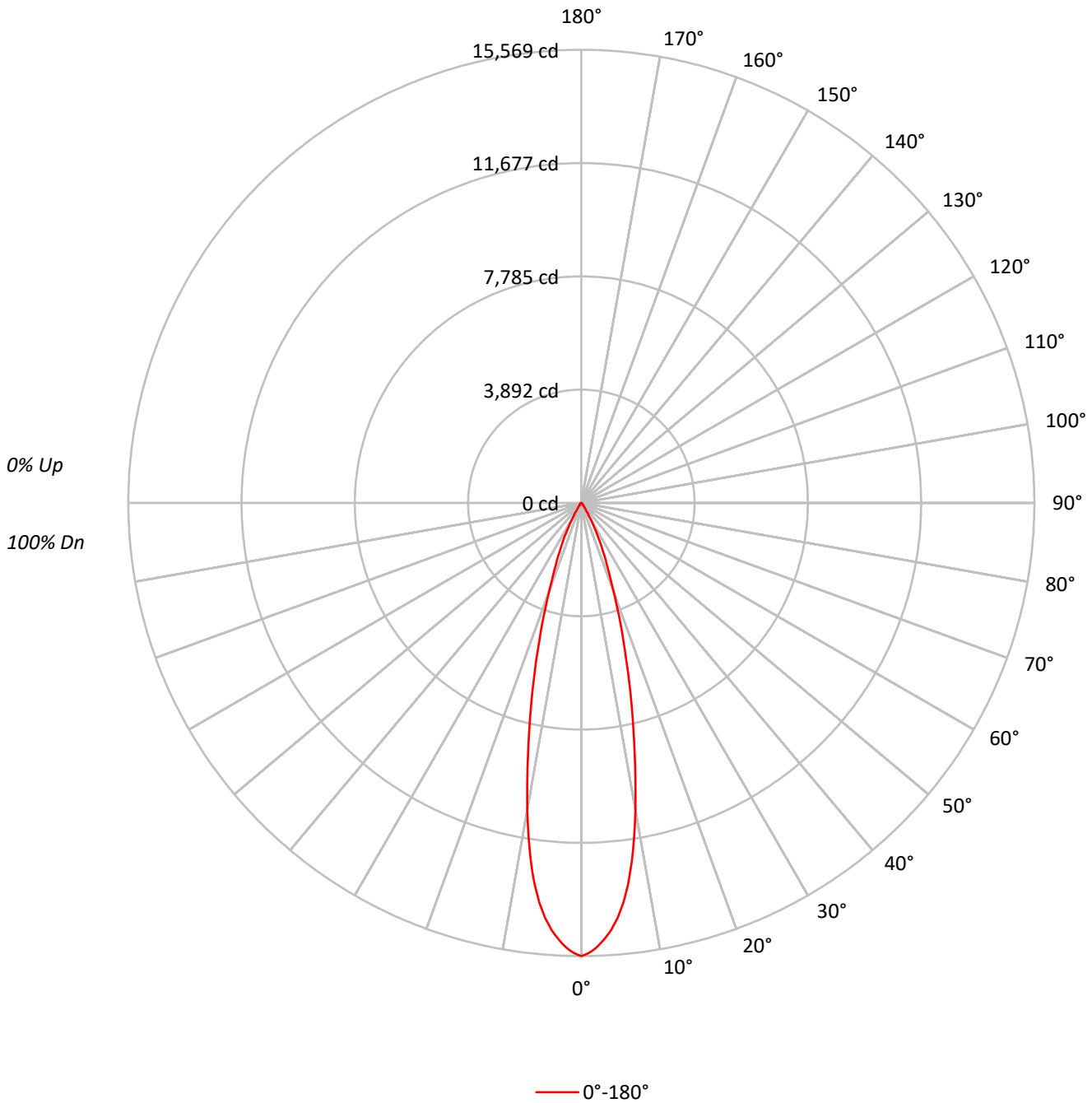
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 526.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): 12.0
Input Current (Ain): 0.662
Voltage Rise (V): NR
Power Factor: 0.9909
Total Harmonic Distortion (THDi): 27.1%
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	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	78	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7681426
5°	7089509
10°	5356593
15°	3245624
20°	1717365
25°	880759
30°	347293
35°	120039
40°	60413
45°	40888
50°	35999
55°	30278
60°	23090
65°	13659
70°	16878
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1251.5	31.3
10°-20°	1748.1	43.7
20°-30°	756.0	18.9
30°-40°	150.9	3.8
40°-50°	47.2	1.2
50°-60°	28.7	0.7
60°-70°	13.0	0.3
70°-80°	4.6	0.1
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°	3755.6	93.9
0°-40°	3906.5	97.7
0°-60°	3982.4	99.6
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°	15569	
5°	14315	###
15°	6354	1748
25°	1618	756
35°	199	151
45°	59	47
55°	35	29
65°	12	13
75°	0	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15569.0
1°	15463.5
2°	15275.9
3°	15018.0
4°	14701.4
5°	14314.6
6°	13810.5
7°	13200.8
8°	12450.5
9°	11606.4
10°	10692.0
11°	9742.3
12°	8827.9
13°	7960.4
14°	7128.0
15°	6354.2
16°	5615.6
17°	4947.4
18°	4349.5
19°	3775.0
20°	3270.9
21°	2825.4
22°	2450.2
23°	2133.7
24°	1864.1
25°	1617.9
26°	1383.4
27°	1172.4
28°	961.3
29°	773.8
30°	609.6
32.5°	316.5
35°	199.3
37.5°	129.0
40°	93.8
42.5°	70.3
45°	58.6
47.5°	46.9
50°	46.9
52.5°	35.2
55°	35.2
57.5°	23.4
60°	23.4
62.5°	11.7
65°	11.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.7
70°	11.7
72.5°	11.7
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)