

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: P247025

Luminaire Tested: **230-8LED2725-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247025
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-43)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED2725-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

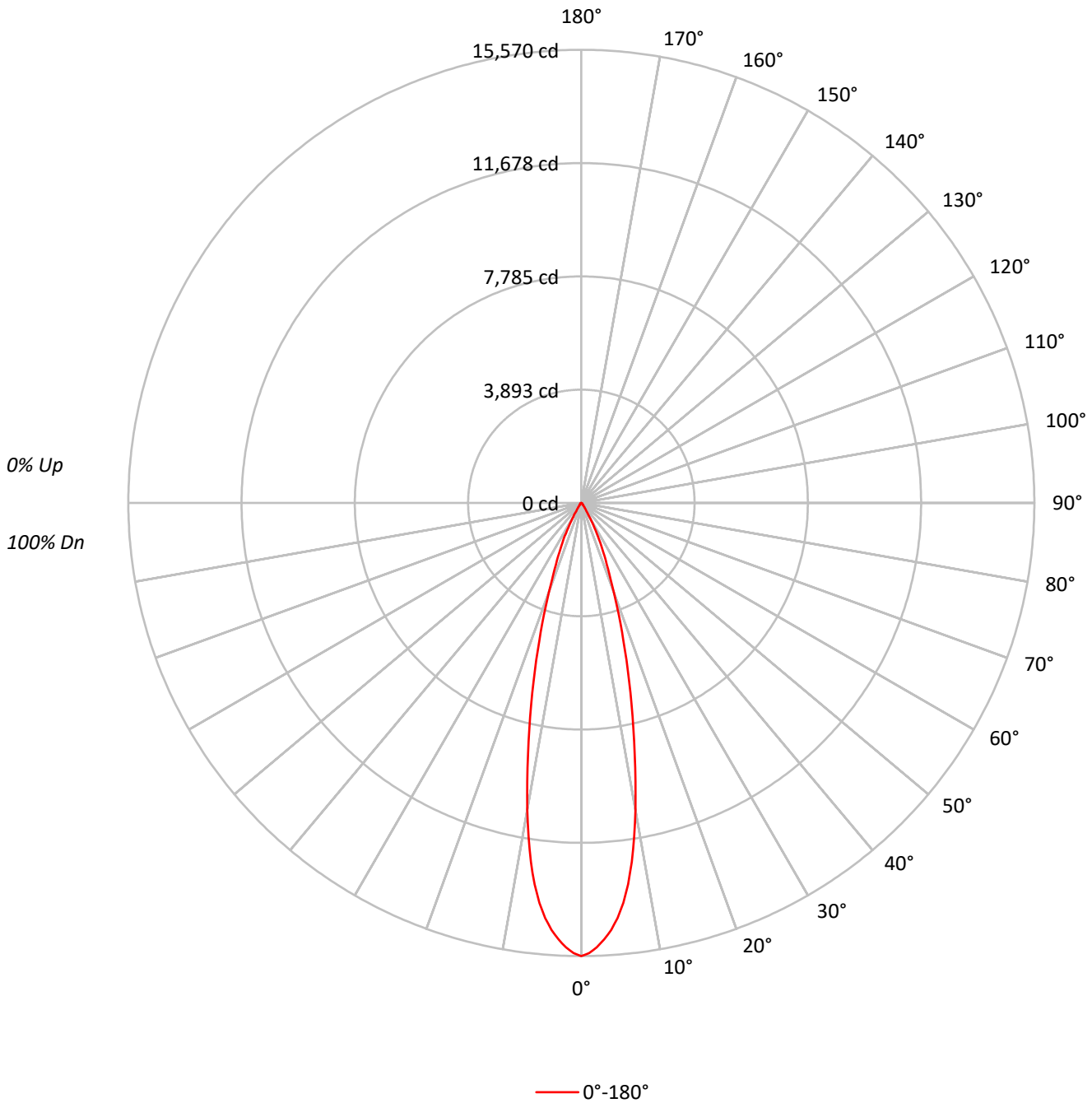
Lumens per Lamp: N/A
Luminaire Lumens: 4000.1 lumens
Efficiency: N/A
Efficacy: 526.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.45
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
Input Voltage (V): 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	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°	7682068
5°	7089954
10°	5357394
15°	3246033
20°	1717575
25°	880977
30°	347577
35°	119919
40°	60413
45°	41237
50°	36459
55°	29848
60°	22794
65°	13542
70°	16734
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1251.7	31.3
10°-20°	1748.2	43.7
20°-30°	756.1	18.9
30°-40°	150.7	3.8
40°-50°	47.5	1.2
50°-60°	28.5	0.7
60°-70°	12.9	0.3
70°-80°	4.5	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°	3756.0	93.9
0°-40°	3906.7	97.7
0°-60°	3982.6	99.6
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°	15570	
5°	14316	###
15°	6355	1748
25°	1618	756
35°	199	151
45°	59	47
55°	35	28
65°	12	13
75°	0	5
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15570.3
1°	15465.0
2°	15277.4
3°	15019.3
4°	14703.3
5°	14315.5
6°	13812.0
7°	13201.9
8°	12451.9
9°	11608.0
10°	10693.6
11°	9743.1
12°	8828.7
13°	7960.5
14°	7128.2
15°	6355.0
16°	5616.5
17°	4947.3
18°	4350.1
19°	3774.7
20°	3271.3
21°	2825.6
22°	2450.6
23°	2133.3
24°	1863.6
25°	1618.3
26°	1383.3
27°	1172.6
28°	962.0
29°	774.5
30°	610.1
32.5°	316.0
35°	199.1
37.5°	128.4
40°	93.8
42.5°	70.6
45°	59.1
47.5°	47.5
50°	47.5
52.5°	34.7
55°	34.7
57.5°	23.1
60°	23.1
62.5°	11.6
65°	11.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.6
70°	11.6
72.5°	11.6
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)