

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: P247022

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247022
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-40)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

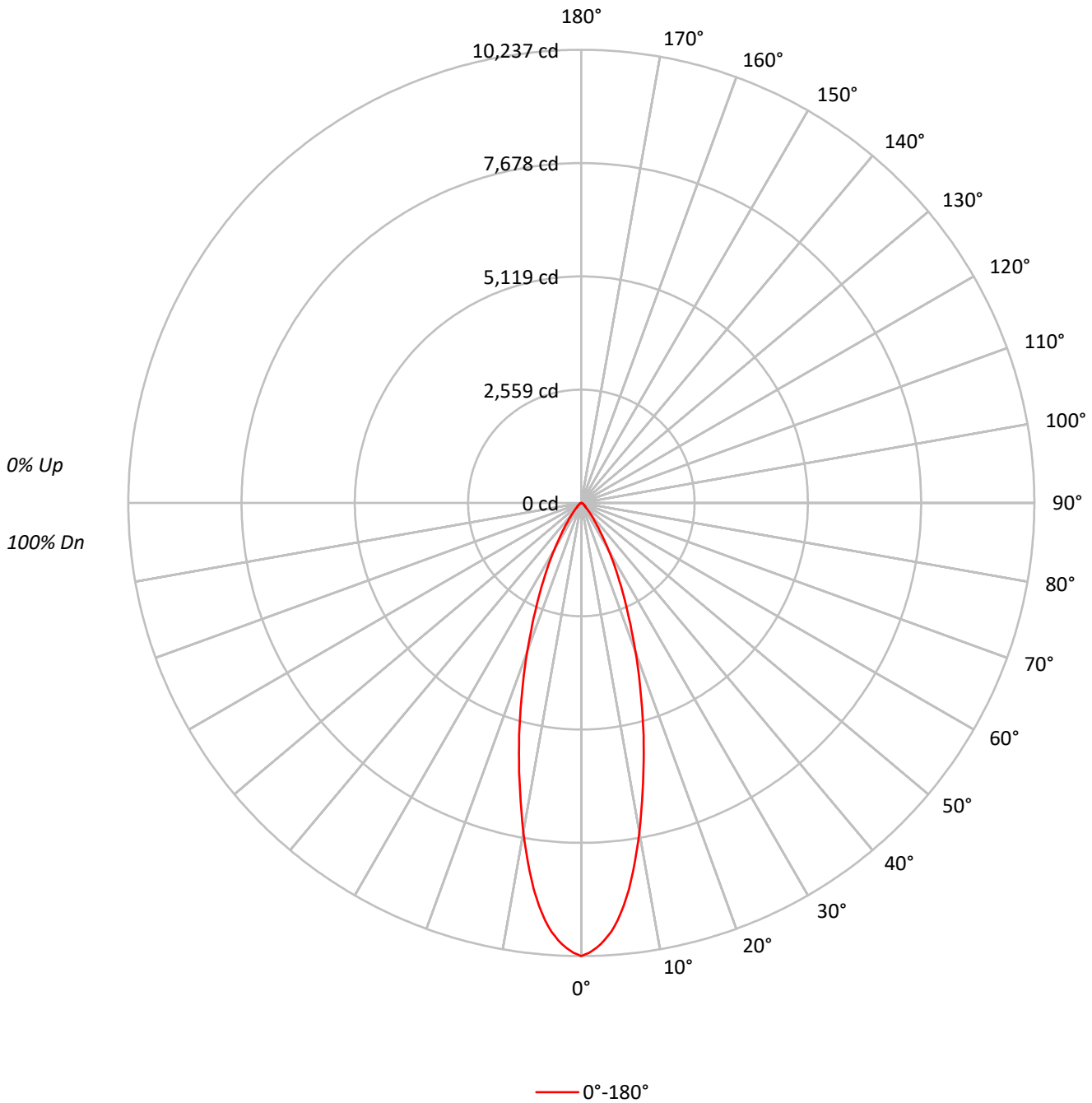
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 512.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.8
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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	77	74	73
7	89	81	76	72	88	80	75	72	79	74	71	78	74	71	77	73	71	69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64
10	79	71	66	63	78	71	66	63	70	65	62	69	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5050677
5°	4682723
10°	3781879
15°	2773915
20°	1873355
25°	1192038
30°	696522
35°	368671
40°	201591
45°	108639
50°	76526
55°	61589
60°	41543
65°	32688
70°	20196
75°	26688
80°	39778
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.2	21.0
10°-20°	1488.9	37.2
20°-30°	1011.6	25.3
30°-40°	411.3	10.3
40°-50°	136.6	3.4
50°-60°	63.6	1.6
60°-70°	31.1	0.8
70°-80°	14.8	0.4
80°-90°	1.9	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°	3340.6	83.5
0°-40°	3751.9	93.8
0°-60°	3952.1	98.8
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°	10237	
5°	9455	840
15°	5431	1489
25°	2190	1012
35°	612	411
45°	156	137
55°	72	64
65°	28	31
75°	14	15
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10236.9
1°	10165.2
2°	10051.5
3°	9895.8
4°	9710.5
5°	9455.0
6°	9156.0
7°	8800.9
8°	8402.2
9°	7975.5
10°	7548.8
11°	7094.0
12°	6667.3
13°	6242.1
14°	5829.4
15°	5430.7
16°	5018.0
17°	4634.9
18°	4265.7
19°	3924.7
20°	3568.0
21°	3241.0
22°	2957.5
23°	2672.5
24°	2417.1
25°	2189.7
26°	1962.3
27°	1763.0
28°	1577.7
29°	1393.9
30°	1222.6
32.5°	867.5
35°	612.1
37.5°	440.7
40°	313.0
42.5°	227.4
45°	155.7
47.5°	127.7
50°	99.7
52.5°	85.7
55°	71.6
57.5°	57.6
60°	42.1
62.5°	42.1
65°	28.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	28.0
70°	14.0
72.5°	14.0
75°	14.0
77.5°	14.0
80°	14.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)