

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: P277737

Luminaire Tested: **203-SS-8LED2725-12-CS-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277737
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: 203-SS-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

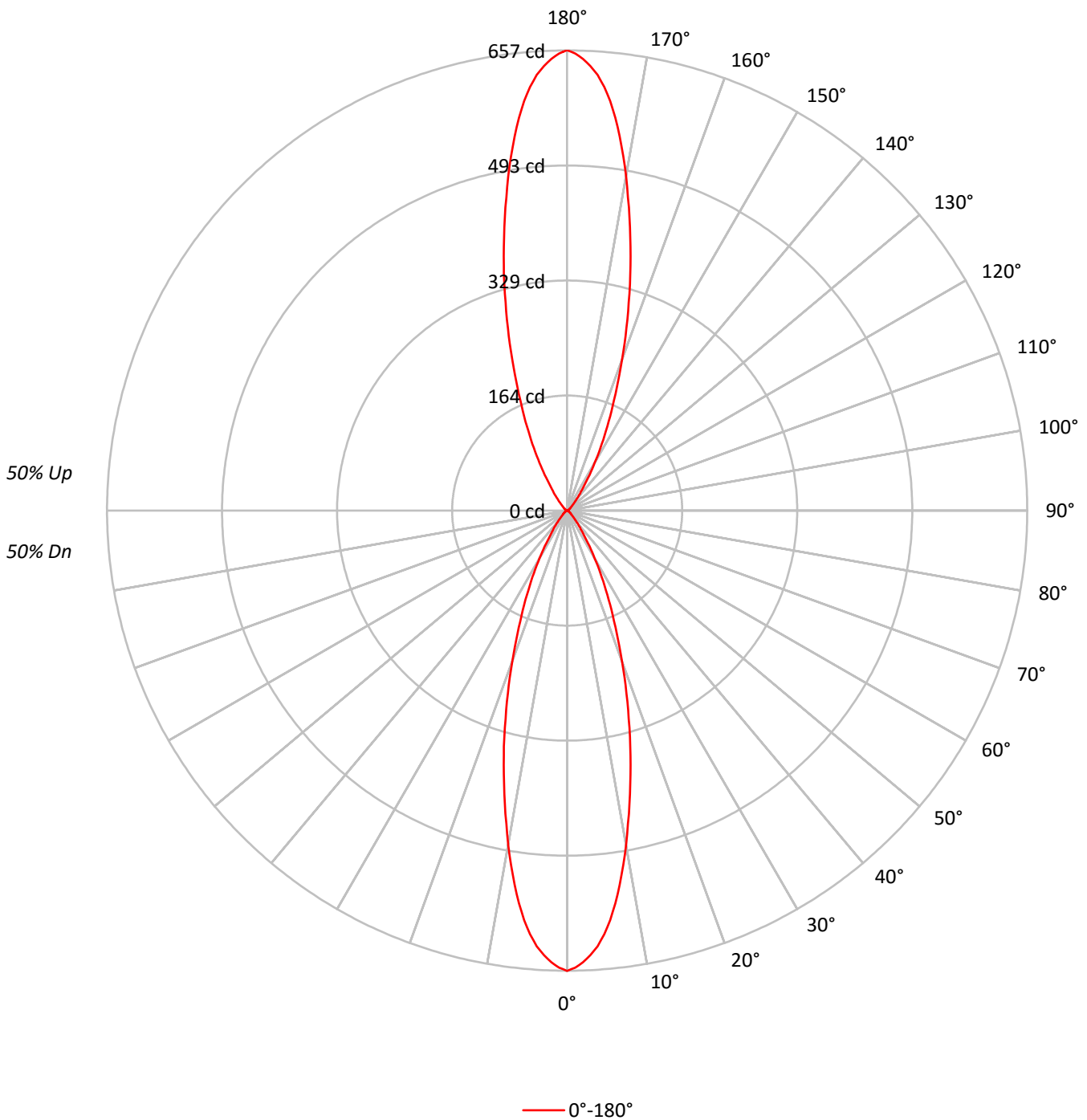
Lumens per Lamp: N/A
Luminaire Lumens: 513.7 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.6
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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	97	94	92	93	90	88	85	77	75	74		65	64	63		54	53	52	47
2	94	88	84	80	87	82	79	75	71	68	66		61	59	57		51	50	49	45
3	88	81	75	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		44	42	41	38
6	74	64	58	53	69	61	55	51	54	50	47		48	45	43		42	40	39	36
7	70	60	54	49	65	57	51	48	51	47	44		46	43	40		41	38	37	35
8	66	56	50	46	62	53	48	44	48	44	41		43	40	38		39	37	35	33
9	63	53	47	43	59	50	45	42	46	42	39		41	38	36		37	35	34	32
10	60	50	44	40	56	48	43	39	44	40	37		40	37	34		36	34	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	324298
5°	300675
10°	242830
15°	178110
20°	120287
25°	76540
30°	44722
35°	23671
40°	12946
45°	6977
50°	4912
55°	3957
60°	2664
65°	2101
70°	1298
75°	1716
80°	2557
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	10.5
10°-20°	95.6	18.6
20°-30°	65.0	12.6
30°-40°	26.4	5.1
40°-50°	8.8	1.7
50°-60°	4.1	0.8
60°-70°	2.0	0.4
70°-80°	1.0	0.2
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	1.0	0.2
110°-120°	2.0	0.4
120°-130°	4.1	0.8
130°-140°	8.8	1.7
140°-150°	26.4	5.1
150°-160°	65.0	12.6
160°-170°	95.6	18.6
170°-180°	53.9	10.5
0°-30°	214.5	41.8
0°-40°	240.9	46.9
0°-60°	253.8	49.4
0°-90°	256.8	50.0
90°-120°	3.1	0.6
90°-150°	42.3	8.2
90°-180°	257.0	50.0
0°-180°	513.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	657	
5°	607	54
15°	349	96
25°	141	65
35°	39	26
45°	10	9
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	5	4
135°	10	9
145°	39	26
155°	141	65
165°	349	96
175°	607	54
180°	657	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	657.3
1°	652.7
2°	645.4
3°	635.4
4°	623.5
5°	607.1
6°	587.9
7°	565.1
8°	539.5
9°	512.1
10°	484.7
11°	455.5
12°	428.1
13°	400.8
14°	374.3
15°	348.7
16°	322.2
17°	297.6
18°	273.9
19°	252.0
20°	229.1
21°	208.1
22°	189.9
23°	171.6
24°	155.2
25°	140.6
26°	126.0
27°	113.2
28°	101.3
29°	89.5
30°	78.5
32.5°	55.7
35°	39.3
37.5°	28.3
40°	20.1
42.5°	14.6
45°	10.0
47.5°	8.2
50°	6.4
52.5°	5.5
55°	4.6
57.5°	3.7
60°	2.7
62.5°	2.7
65°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	0.9
112.5°	1.8
115°	1.8
117.5°	2.7
120°	2.7
122.5°	3.7
125°	4.6
127.5°	5.5
130°	6.4
132.5°	8.2
135°	10.0
137.5°	14.6
140°	20.1
142.5°	28.3
145°	39.3
147.5°	55.7
150°	78.5
151°	89.5
152°	101.3
153°	113.2
154°	126.0
155°	140.6
156°	155.2
157°	171.6
158°	189.9
159°	208.1
160°	229.1
161°	252.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	273.9
163°	297.6
164°	322.2
165°	348.7
166°	374.3
167°	400.8
168°	428.1
169°	455.5
170°	484.7
171°	512.1
172°	539.5
173°	565.1
174°	587.9
175°	607.1
176°	623.5
177°	635.4
178°	645.4
179°	652.7
180°	657.3

(END OF REPORT)