

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: P277748

Luminaire Tested: **203-SS-8LED2736-12-CS-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277748
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-45)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2736-12-CS-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 36 DEGREE WIDE OPTIC, REGRESSED HOOD SILVER, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 90 CRI LED
SM16-07-36D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 579.5 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 1.02 / 0.74
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

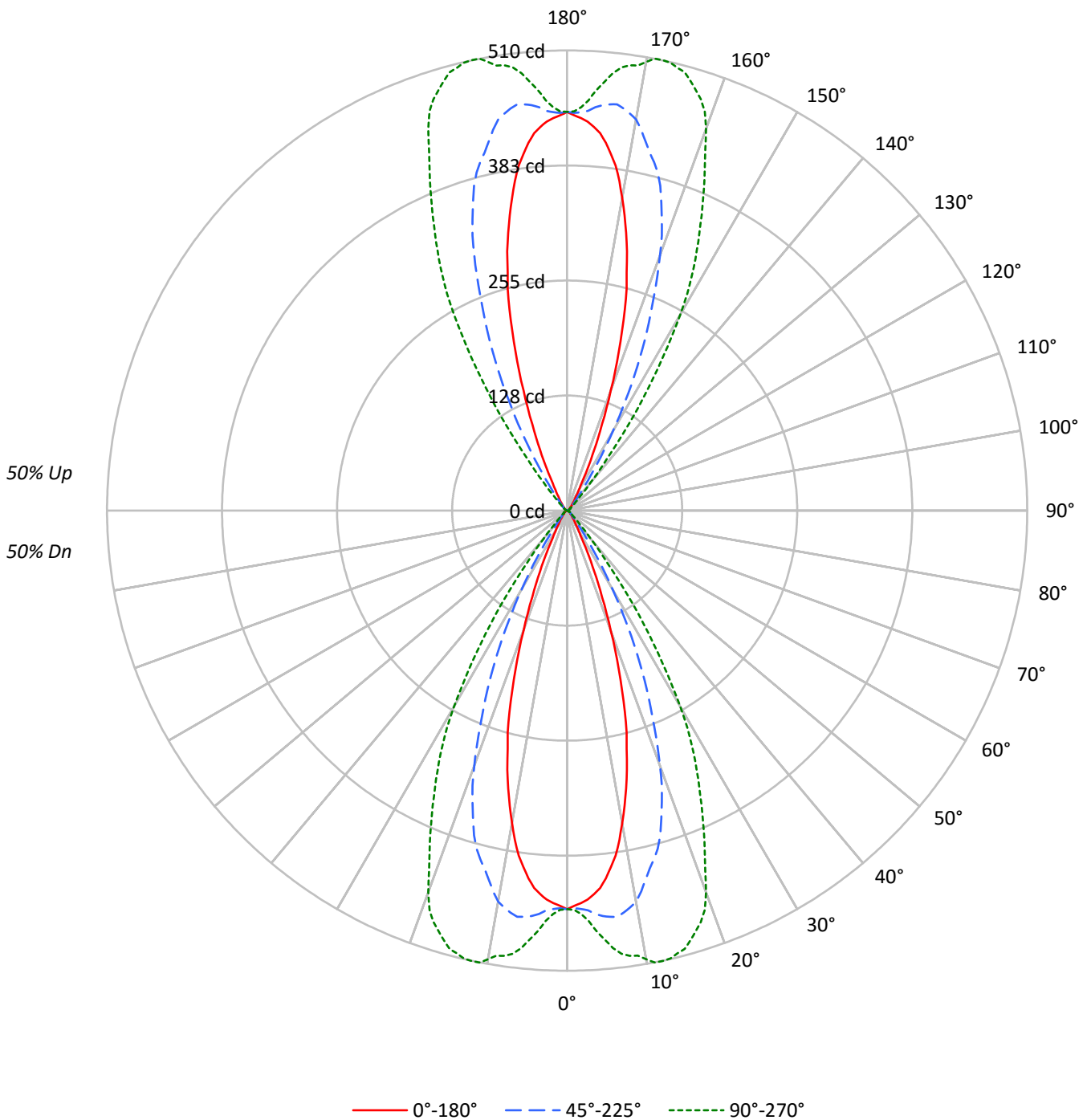
Input Watts (W): 15.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	91	93	90	87	85	77	75	74	65	64	63	53	53	52	47				
2	94	88	83	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44				
3	88	81	75	70	82	75	71	67	66	62	59	57	54	52	48	47	45	42				
4	82	74	68	63	77	69	64	60	61	57	54	53	50	48	46	44	43	39				
5	77	68	62	57	72	64	59	55	57	53	50	50	47	45	43	42	40	37				
6	73	63	57	52	68	60	54	50	53	49	46	47	44	42	41	39	38	35				
7	69	59	52	48	64	56	50	46	50	46	43	44	41	39	39	37	36	33				
8	65	55	49	44	61	52	47	43	47	43	40	42	39	37	38	35	34	32				
9	61	52	45	41	58	49	44	40	44	40	37	40	37	35	36	34	32	30				
10	58	48	42	39	55	46	41	37	42	38	35	38	35	33	34	32	30	29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	217975	217975	217975
5°	207961	223364	236439
10°	176098	220436	252900
15°	130097	198184	256924
20°	74294	158196	236322
25°	33806	107353	190317
30°	14015	57711	142996
35°	8252	21442	77517
40°	5281	8824	26471
45°	3838	5094	9559
50°	3531	4222	4912
55°	3183	3183	3957
60°	2664	2664	3651
65°	2101	2101	2101
70°	1298	1298	2597
75°	1716	1716	1716
80°	0	2557	2557
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	7.3
10°-20°	105.0	18.1
20°-30°	91.3	15.8
30°-40°	36.8	6.4
40°-50°	7.4	1.3
50°-60°	3.6	0.6
60°-70°	2.0	0.3
70°-80°	1.0	0.2
80°-90°	0.2	0.0
90°-100°	0.3	0.0
100°-110°	1.0	0.2
110°-120°	2.0	0.3
120°-130°	3.6	0.6
130°-140°	7.4	1.3
140°-150°	36.8	6.4
150°-160°	91.3	15.8
160°-170°	105.0	18.1
170°-180°	42.5	7.3
0°-30°	238.8	41.2
0°-40°	275.6	47.6
0°-60°	286.6	49.5
0°-90°	289.7	50.0
90°-120°	3.2	0.6
90°-150°	51.1	8.8
90°-180°	290.0	50.0
0°-180°	579.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	420	430	451	470	477	38
15°	255	298	388	472	503	68
25°	62	85	197	310	350	30
35°	14	16	36	100	129	9
45°	6	6	7	11	14	5
55°	4	4	4	5	5	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	1	1	1	1	1	1
115°	2	2	2	2	2	2
125°	4	4	4	5	5	3
135°	6	6	7	11	14	5
145°	14	16	36	100	129	9
155°	62	85	197	310	350	30
165°	255	298	388	472	503	68
175°	420	430	451	470	477	38
180°	442	442	442	442	442	



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CATALOG NUMBER: 203-SS-8LED2736-12-CS-LSL

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.8	441.8	441.8	441.8	441.8
1°	438.2	440.0	440.9	441.8	442.7
2°	435.4	437.3	441.8	446.4	447.3
3°	431.8	435.4	443.7	452.8	455.5
4°	426.3	433.6	448.2	461.9	467.4
5°	419.9	430.0	451.0	470.1	477.4
6°	409.9	425.4	452.8	477.4	487.5
7°	398.0	417.2	453.7	483.8	494.8
8°	386.2	407.1	450.1	486.6	498.4
9°	369.7	395.3	445.5	483.8	499.3
10°	351.5	382.5	440.0	482.9	504.8
11°	333.2	367.0	430.0	484.7	510.3
12°	314.9	350.5	418.1	486.6	510.3
13°	294.9	334.1	407.1	482.9	509.4
14°	272.0	316.8	398.0	478.4	505.7
15°	254.7	298.5	388.0	472.0	503.0
16°	231.9	278.4	374.3	463.7	495.7
17°	208.1	256.5	356.9	453.7	487.5
18°	184.4	231.9	339.6	442.7	479.3
19°	164.3	205.4	322.2	431.8	468.3
20°	141.5	180.8	301.3	419.0	450.1
21°	122.3	157.0	279.3	402.6	427.2
22°	103.2	136.0	257.4	379.8	407.1
23°	87.6	116.8	236.4	354.2	388.0
24°	73.9	99.5	216.4	331.4	368.8
25°	62.1	84.9	197.2	309.5	349.6
26°	51.1	71.2	177.1	287.6	331.4
27°	41.1	58.4	157.0	268.4	313.1
28°	33.8	48.4	136.9	247.4	293.9
29°	28.3	40.2	119.6	225.5	274.8
30°	24.6	32.9	101.3	207.2	251.0
32.5°	17.3	21.9	62.1	154.3	187.1
35°	13.7	15.5	35.6	99.5	128.7
37.5°	10.0	11.9	21.0	56.6	72.1
40°	8.2	9.1	13.7	28.3	41.1
42.5°	7.3	7.3	10.0	16.4	21.0
45°	5.5	6.4	7.3	11.0	13.7
47.5°	4.6	5.5	6.4	7.3	8.2
50°	4.6	4.6	5.5	5.5	6.4
52.5°	3.7	4.6	4.6	4.6	5.5
55°	3.7	3.7	3.7	4.6	4.6
57.5°	2.7	2.7	3.7	3.7	3.7
60°	2.7	2.7	2.7	3.7	3.7
62.5°	1.8	1.8	2.7	2.7	2.7
65°	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1.8	1.8	1.8	1.8	1.8
70°	0.9	0.9	0.9	1.8	1.8
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.9	0.9
100°	0.0	0.0	0.9	0.9	0.9
102.5°	0.9	0.9	0.9	0.9	0.9
105°	0.9	0.9	0.9	0.9	0.9
107.5°	0.9	0.9	0.9	0.9	0.9
110°	0.9	0.9	0.9	1.8	1.8
112.5°	1.8	1.8	1.8	1.8	1.8
115°	1.8	1.8	1.8	1.8	1.8
117.5°	1.8	1.8	2.7	2.7	2.7
120°	2.7	2.7	2.7	3.7	3.7
122.5°	2.7	2.7	3.7	3.7	3.7
125°	3.7	3.7	3.7	4.6	4.6
127.5°	3.7	4.6	4.6	4.6	5.5
130°	4.6	4.6	5.5	5.5	6.4
132.5°	4.6	5.5	6.4	7.3	8.2
135°	5.5	6.4	7.3	11.0	13.7
137.5°	7.3	7.3	10.0	16.4	21.0
140°	8.2	9.1	13.7	28.3	41.1
142.5°	10.0	11.9	21.0	56.6	72.1
145°	13.7	15.5	35.6	99.5	128.7
147.5°	17.3	21.9	62.1	154.3	187.1
150°	24.6	32.9	101.3	207.2	251.0
151°	28.3	40.2	119.6	225.5	274.8
152°	33.8	48.4	136.9	247.4	293.9
153°	41.1	58.4	157.0	268.4	313.1
154°	51.1	71.2	177.1	287.6	331.4
155°	62.1	84.9	197.2	309.5	349.6
156°	73.9	99.5	216.4	331.4	368.8
157°	87.6	116.8	236.4	354.2	388.0
158°	103.2	136.0	257.4	379.8	407.1
159°	122.3	157.0	279.3	402.6	427.2
160°	141.5	180.8	301.3	419.0	450.1
161°	164.3	205.4	322.2	431.8	468.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
162°	184.4	231.9	339.6	442.7	479.3
163°	208.1	256.5	356.9	453.7	487.5
164°	231.9	278.4	374.3	463.7	495.7
165°	254.7	298.5	388.0	472.0	503.0
166°	272.0	316.8	398.0	478.4	505.7
167°	294.9	334.1	407.1	482.9	509.4
168°	314.9	350.5	418.1	486.6	510.3
169°	333.2	367.0	430.0	484.7	510.3
170°	351.5	382.5	440.0	482.9	504.8
171°	369.7	395.3	445.5	483.8	499.3
172°	386.2	407.1	450.1	486.6	498.4
173°	398.0	417.2	453.7	483.8	494.8
174°	409.9	425.4	452.8	477.4	487.5
175°	419.9	430.0	451.0	470.1	477.4
176°	426.3	433.6	448.2	461.9	467.4
177°	431.8	435.4	443.7	452.8	455.5
178°	435.4	437.3	441.8	446.4	447.3
179°	438.2	440.0	440.9	441.8	442.7
180°	441.8	441.8	441.8	441.8	441.8

(END OF REPORT)