

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: P247033

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247033
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

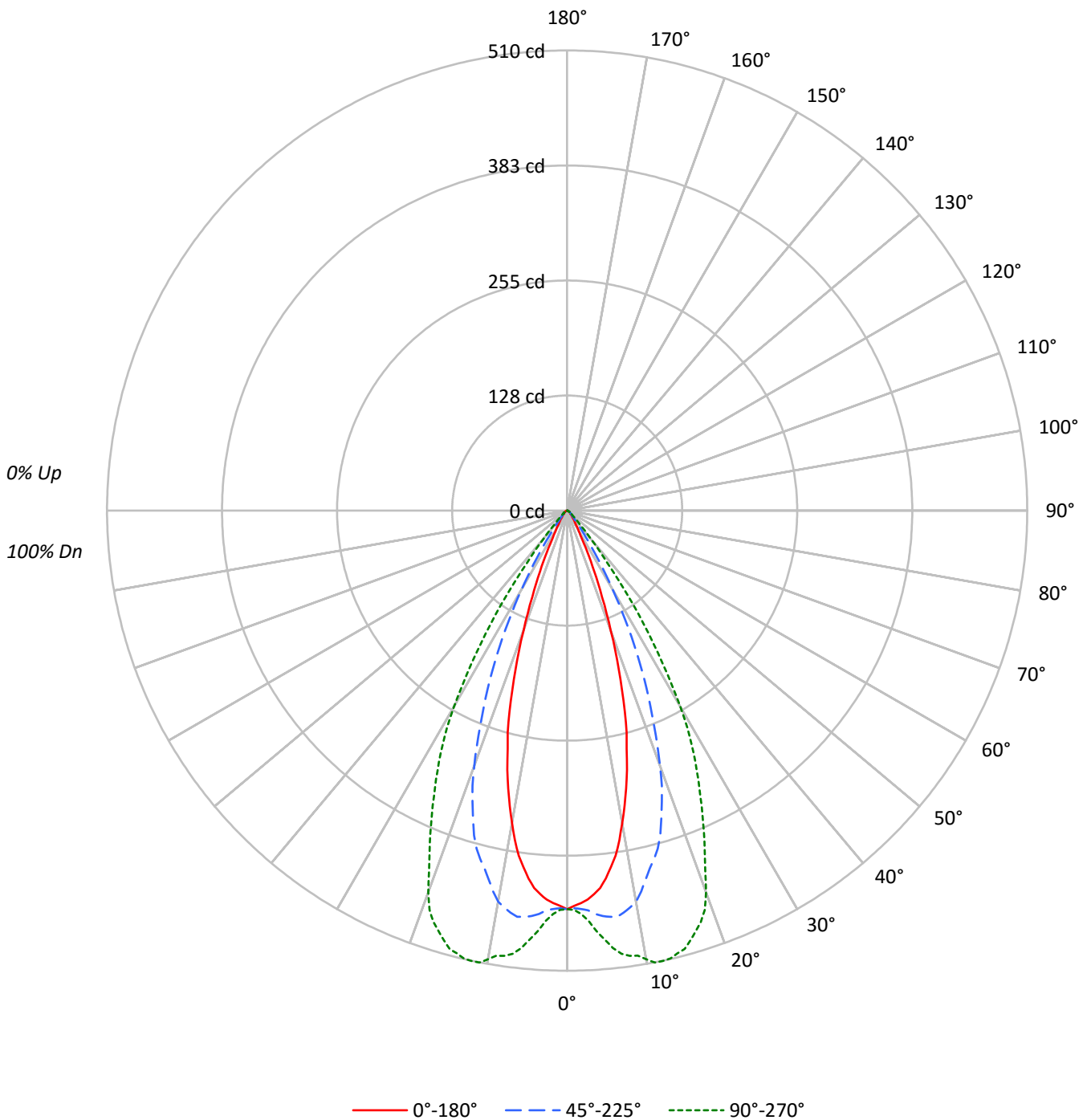
Lumens per Lamp: N/A
Luminaire Lumens: 289.7 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 1.02 / 0.74
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	89	89	
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83	83	83	83	
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79	79	79	79	
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74	74	74	74	
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70	70	70	70	
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67	67	67	67	
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	63	63	63	63	
9	80	71	66	62	79	71	65	62	70	65	62	69	65	62	68	64	61	60	60	60	60	
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	59	57	57	57	57	

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	14.7
10°-20°	105.0	36.2
20°-30°	91.3	31.5
30°-40°	36.8	12.7
40°-50°	7.4	2.6
50°-60°	3.6	1.2
60°-70°	2.0	0.7
70°-80°	1.0	0.3
80°-90°	0.2	0.1
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°	238.8	82.4
0°-40°	275.6	95.1
0°-60°	286.6	98.9
0°-90°	289.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.7	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



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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

(END OF REPORT)