

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: P246980

Luminaire Tested: **203-SS-8LED3025-12-CS-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246980
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-41)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3025-12-CS-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD SILVER, LINEAR SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

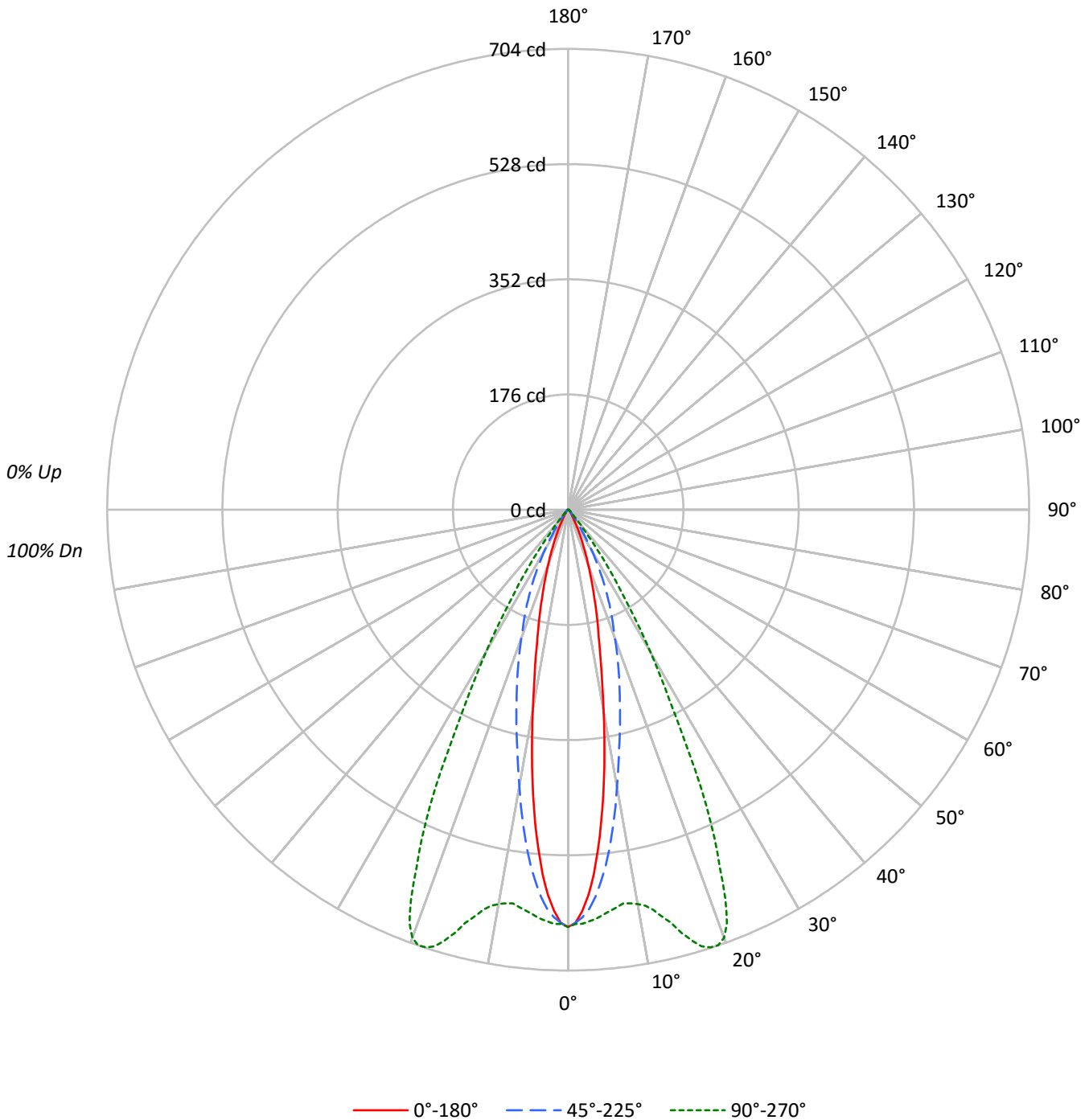
Lumens per Lamp: N/A
Luminaire Lumens: 276.7 lumens
Efficiency: N/A
Efficacy: 37.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.58
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.4
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	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	101	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	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	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	89	81	75	72	87	80	75	71	79	74	71	78	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	64	62	68	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	314480	314480	314480
5°	258181	282746	307311
10°	155908	215376	306456
15°	86476	155789	341868
20°	46991	109839	365378
25°	23191	74308	272192
30°	9115	41418	142939
35°	5903	14937	60893
40°	3993	6312	15393
45°	3070	3698	5582
50°	2686	3377	4068
55°	2322	2322	3011
60°	1776	1776	2664
65°	1051	2101	2101
70°	1298	1298	1298
75°	1716	1716	1716
80°	0	0	2557
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	18.2
10°-20°	101.2	36.6
20°-30°	87.2	31.5
30°-40°	27.8	10.0
40°-50°	5.0	1.8
50°-60°	2.7	1.0
60°-70°	1.4	0.5
70°-80°	0.8	0.3
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°	238.8	86.3
0°-40°	266.6	96.4
0°-60°	274.4	99.2
0°-90°	276.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	521	541	571	607	620	43
15°	169	206	305	515	669	47
25°	43	59	136	308	500	20
35°	10	12	25	73	101	6
45°	4	4	5	7	8	3
55°	3	3	3	4	4	2
65°	1	1	2	2	2	1
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°	637.4	637.4	637.4	637.4	637.4
1°	631.2	632.1	631.2	633.0	633.0
2°	613.5	617.9	623.2	631.2	633.0
3°	589.5	597.5	610.8	625.0	629.4
4°	558.5	571.8	593.1	617.0	625.9
5°	521.3	540.8	570.9	607.2	620.5
6°	481.4	504.4	547.0	596.6	616.1
7°	438.8	466.3	519.5	585.1	611.7
8°	396.3	426.4	490.2	570.9	607.2
9°	351.9	386.5	460.1	556.7	609.0
10°	311.2	348.4	429.9	547.0	611.7
11°	273.9	312.0	401.6	537.2	616.1
12°	242.0	281.0	374.1	530.1	625.0
13°	211.9	252.7	350.2	524.8	638.3
14°	188.8	227.8	327.1	520.4	650.7
15°	169.3	205.7	305.0	515.1	669.3
16°	149.8	185.3	284.6	509.7	684.4
17°	132.1	167.5	265.9	502.6	697.7
18°	117.9	149.8	246.4	492.0	703.0
19°	101.9	132.1	227.8	479.6	703.9
20°	89.5	116.1	209.2	462.8	695.9
21°	78.0	101.9	192.4	442.4	676.4
22°	67.4	89.5	179.1	414.9	640.9
23°	57.6	78.0	164.9	384.7	592.2
24°	49.6	68.3	150.7	344.8	549.6
25°	42.6	59.4	136.5	308.5	500.0
26°	35.5	50.5	123.2	275.7	442.4
27°	28.4	42.6	109.9	243.8	380.3
28°	23.0	34.6	96.6	213.6	330.7
29°	18.6	28.4	84.2	186.2	289.0
30°	16.0	23.0	72.7	164.9	250.9
32.5°	12.4	15.1	44.3	116.1	160.5
35°	9.8	11.5	24.8	72.7	101.1
37.5°	7.1	8.0	15.1	36.3	47.0
40°	6.2	7.1	9.8	17.7	23.9
42.5°	5.3	5.3	7.1	9.8	12.4
45°	4.4	4.4	5.3	7.1	8.0
47.5°	3.5	3.5	4.4	5.3	6.2
50°	3.5	3.5	4.4	4.4	5.3
52.5°	2.7	3.5	3.5	3.5	3.5
55°	2.7	2.7	2.7	3.5	3.5
57.5°	2.7	2.7	2.7	2.7	2.7
60°	1.8	1.8	1.8	2.7	2.7
62.5°	0.9	1.8	1.8	1.8	1.8
65°	0.9	0.9	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.9	0.9	0.9	0.9	1.8
70°	0.9	0.9	0.9	0.9	0.9
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°	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0
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)