

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: P247009

Luminaire Tested: **203-SS-8LED2710-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247009
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-25)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2710-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED
SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

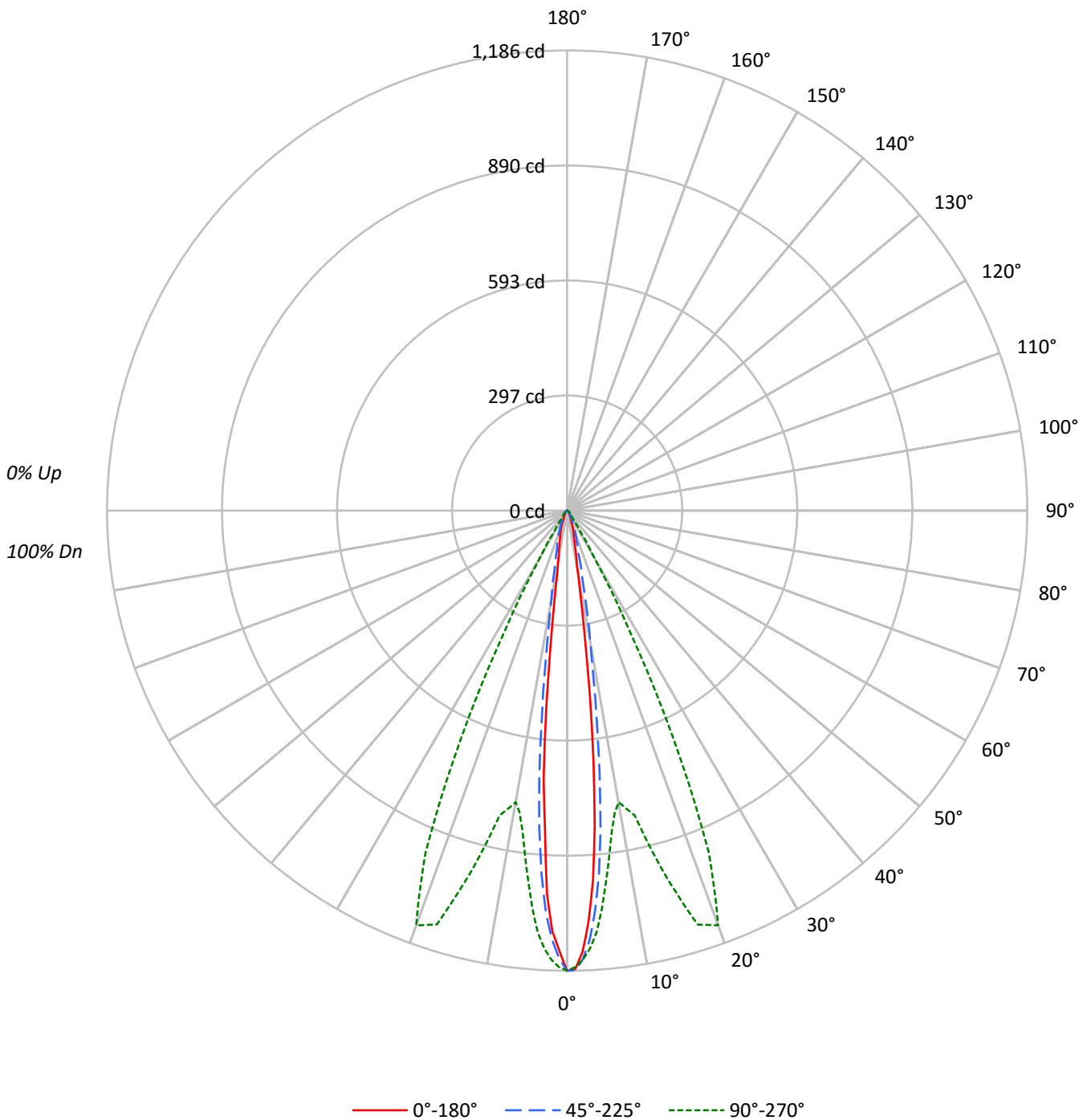
Lumens per Lamp: N/A
Luminaire Lumens: 231.1 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.89 / 0.26
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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	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			
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96					96			
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91					91			
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87					87			
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84					84			
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	81	80					80			
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	81	78	77					77			
7	92	85	80	77	91	84	79	76	83	79	76	82	78	76	81	78	75	74					74			
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71					71			
9	86	78	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69					69			
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67					67			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	585049	585049	585049
5°	403739	509528	344060
10°	74998	382356	64928
15°	33559	494745	35448
20°	17274	597237	21579
25°	10942	350856	11432
30°	7805	79075	8830
35°	6023	16503	6625
40°	4702	9983	5281
45°	3838	7675	4466
50°	2840	5603	3531
55°	2322	3957	3183
60°	888	888	1776
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	28.3
10°-20°	83.0	35.9
20°-30°	61.9	26.8
30°-40°	11.6	5.0
40°-50°	6.1	2.6
50°-60°	2.9	1.3
60°-70°	0.3	0.1
70°-80°	0.0	0.0
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°	210.3	91.0
0°-40°	221.8	96.0
0°-60°	230.8	99.9
0°-90°	231.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1186	1186	1186	1186	1186	
5°	815	940	1029	822	695	52
15°	66	112	969	102	69	20
25°	20	35	644	36	21	10
35°	10	14	27	14	11	6
45°	6	7	11	7	6	4
55°	3	3	5	4	4	2
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	112.5°	135°	157.5°	180°
0°	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8
1°	1182.2	1185.8	1184.9	1184.0	1176.7	1165.8	1155.7	1145.7	1136.5
2°	1138.4	1152.1	1157.5	1164.8	1158.5	1137.5	1107.3	1083.6	1085.4
3°	1058.9	1091.8	1108.2	1132.9	1129.2	1093.6	1038.9	991.4	989.6
4°	955.8	997.8	1034.3	1086.3	1089.1	1033.4	941.2	864.5	818.9
5°	815.2	874.5	940.3	1021.5	1028.8	957.6	821.6	710.2	694.7
6°	650.0	729.4	822.5	937.5	960.4	860.9	684.7	535.0	513.0
7°	480.2	568.7	686.5	849.9	891.9	767.7	537.7	373.4	349.6
8°	319.5	405.3	549.6	759.5	829.8	677.4	407.1	252.9	234.6
9°	212.7	272.0	429.1	686.5	786.9	605.2	306.7	179.8	164.3
10°	149.7	184.4	341.4	633.5	763.2	550.5	234.6	140.6	129.6
12.5°	92.2	104.1	180.8	543.2	804.3	443.7	144.2	97.7	91.3
15°	65.7	74.9	112.3	501.2	968.6	384.3	102.2	74.9	69.4
17.5°	49.3	56.6	83.1	476.5	1118.3	342.3	79.4	58.4	53.9
20°	32.9	39.3	63.0	420.8	1137.5	281.2	62.1	46.6	41.1
22.5°	24.6	28.3	47.5	304.0	954.9	197.2	47.5	33.8	27.4
25°	20.1	21.9	34.7	170.7	644.5	115.0	36.5	24.6	21.0
27.5°	16.4	18.3	25.6	84.0	337.8	67.6	26.5	19.2	18.3
30°	13.7	14.6	20.1	43.8	138.8	39.3	21.0	16.4	15.5
32.5°	11.0	12.8	16.4	26.5	55.7	25.6	16.4	13.7	12.8
35°	10.0	11.0	13.7	19.2	27.4	18.3	13.7	11.9	11.0
37.5°	8.2	10.0	11.9	14.6	19.2	14.6	11.9	11.0	10.0
40°	7.3	8.2	10.0	12.8	15.5	12.8	10.0	9.1	8.2
42.5°	6.4	7.3	9.1	10.0	12.8	10.0	9.1	8.2	7.3
45°	5.5	6.4	7.3	9.1	11.0	9.1	7.3	7.3	6.4
47.5°	4.6	5.5	6.4	7.3	9.1	7.3	6.4	5.5	5.5
50°	3.7	4.6	5.5	6.4	7.3	6.4	5.5	4.6	4.6
52.5°	2.7	3.7	4.6	4.6	5.5	4.6	4.6	3.7	3.7
55°	2.7	2.7	2.7	3.7	4.6	3.7	3.7	2.7	3.7
57.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
60°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
62.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)