

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: P277763

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277763
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-29)
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-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-25D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

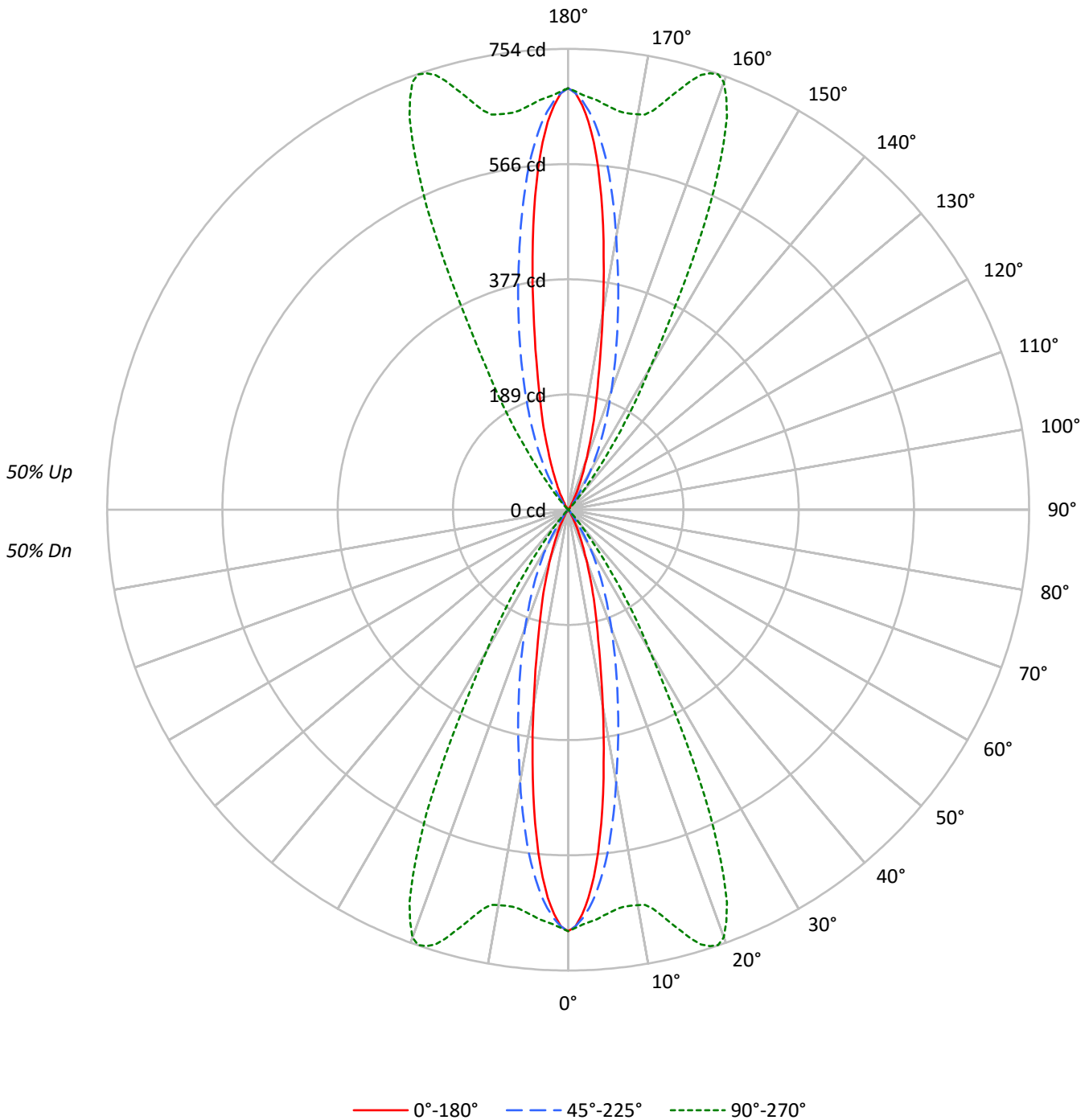
Lumens per Lamp: N/A
Luminaire Lumens: 560.8 lumens
Efficiency: N/A
Efficacy: 35.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.7
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	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	60	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	46	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	43	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	340284	340284	340284
5°	278338	301170	330143
10°	163874	226949	329101
15°	87855	158956	364496
20°	44681	108001	391000
25°	20741	70933	298268
30°	7064	39879	152510
35°	3192	13853	67820
40°	1739	4573	17712
45°	1256	1884	3070
50°	691	1382	1382
55°	774	774	774
60°	888	888	888
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°	53.7	9.6
10°-20°	104.9	18.7
20°-30°	89.6	16.0
30°-40°	28.1	5.0
40°-50°	3.1	0.6
50°-60°	0.9	0.2
60°-70°	0.1	0.0
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°	0.1	0.0
120°-130°	0.9	0.2
130°-140°	3.1	0.6
140°-150°	28.1	5.0
150°-160°	89.6	16.0
160°-170°	104.9	18.7
170°-180°	53.7	9.6
0°-30°	248.2	44.3
0°-40°	276.3	49.3
0°-60°	280.3	50.0
0°-90°	280.4	50.0
90°-120°	0.1	0.0
90°-150°	32.2	5.7
90°-180°	280.0	49.9
0°-180°	560.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	690	690	690	690	690	
5°	562	572	608	650	667	46
15°	172	200	311	544	714	48
25°	38	52	130	324	548	18
35°	5	7	23	75	113	4
45°	2	2	3	4	4	2
55°	1	1	1	1	1	1
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
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	1	1	1	1	1	1
135°	2	2	3	4	4	2
145°	5	7	23	75	113	4
155°	38	52	130	324	548	18
165°	172	200	311	544	714	48
175°	562	572	608	650	667	46
180°	690	690	690	690	690	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	689.7	689.7	689.7	689.7	689.7
1°	681.7	680.8	681.7	683.5	684.4
2°	662.2	663.1	669.3	676.4	679.1
3°	635.6	638.3	652.5	669.3	675.5
4°	602.8	608.1	633.0	660.4	672.0
5°	562.0	571.8	608.1	649.8	666.6
6°	515.9	531.0	580.7	637.4	662.2
7°	469.0	488.5	551.4	625.9	657.8
8°	417.5	443.2	517.7	610.8	656.0
9°	371.4	398.9	485.8	599.3	656.0
10°	327.1	356.4	453.0	586.9	656.9
11°	286.3	316.5	420.2	574.4	658.7
12°	250.0	281.0	391.8	562.9	667.5
13°	219.0	250.9	364.3	555.8	681.7
14°	194.1	222.5	336.0	549.6	697.7
15°	172.0	199.5	311.2	544.3	713.6
16°	151.6	178.2	288.1	534.6	730.5
17°	133.0	159.6	265.9	525.7	743.8
18°	115.2	141.0	244.7	514.2	750.9
19°	99.3	125.0	224.3	498.2	753.5
20°	85.1	109.0	205.7	479.6	744.7
21°	73.6	94.9	188.8	458.3	721.6
22°	62.1	82.4	172.9	428.2	693.2
23°	53.2	70.0	157.8	393.6	650.7
24°	45.2	60.3	143.6	359.0	600.2
25°	38.1	52.3	130.3	324.5	547.9
26°	31.9	44.3	117.0	289.0	485.8
27°	26.6	38.1	104.6	258.9	420.2
28°	20.4	31.0	92.2	227.8	359.0
29°	16.0	24.8	81.6	197.7	309.4
30°	12.4	19.5	70.0	172.0	267.7
32.5°	8.0	11.5	44.3	119.7	184.4
35°	5.3	7.1	23.0	75.4	112.6
37.5°	4.4	5.3	12.4	39.0	54.1
40°	2.7	3.5	7.1	16.8	27.5
42.5°	2.7	2.7	4.4	8.0	9.8
45°	1.8	1.8	2.7	4.4	4.4
47.5°	1.8	1.8	1.8	2.7	3.5
50°	0.9	0.9	1.8	1.8	1.8
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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
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	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.9	0.9	0.9	0.9	0.9
122.5°	0.9	0.9	0.9	0.9	0.9
125°	0.9	0.9	0.9	0.9	0.9
127.5°	0.9	0.9	0.9	0.9	0.9
130°	0.9	0.9	1.8	1.8	1.8
132.5°	1.8	1.8	1.8	2.7	3.5
135°	1.8	1.8	2.7	4.4	4.4
137.5°	2.7	2.7	4.4	8.0	9.8
140°	2.7	3.5	7.1	16.8	27.5
142.5°	4.4	5.3	12.4	39.0	54.1
145°	5.3	7.1	23.0	75.4	112.6
147.5°	8.0	11.5	44.3	119.7	184.4
150°	12.4	19.5	70.0	172.0	267.7
151°	16.0	24.8	81.6	197.7	309.4
152°	20.4	31.0	92.2	227.8	359.0
153°	26.6	38.1	104.6	258.9	420.2
154°	31.9	44.3	117.0	289.0	485.8
155°	38.1	52.3	130.3	324.5	547.9
156°	45.2	60.3	143.6	359.0	600.2
157°	53.2	70.0	157.8	393.6	650.7
158°	62.1	82.4	172.9	428.2	693.2
159°	73.6	94.9	188.8	458.3	721.6
160°	85.1	109.0	205.7	479.6	744.7
161°	99.3	125.0	224.3	498.2	753.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
162°	115.2	141.0	244.7	514.2	750.9
163°	133.0	159.6	265.9	525.7	743.8
164°	151.6	178.2	288.1	534.6	730.5
165°	172.0	199.5	311.2	544.3	713.6
166°	194.1	222.5	336.0	549.6	697.7
167°	219.0	250.9	364.3	555.8	681.7
168°	250.0	281.0	391.8	562.9	667.5
169°	286.3	316.5	420.2	574.4	658.7
170°	327.1	356.4	453.0	586.9	656.9
171°	371.4	398.9	485.8	599.3	656.0
172°	417.5	443.2	517.7	610.8	656.0
173°	469.0	488.5	551.4	625.9	657.8
174°	515.9	531.0	580.7	637.4	662.2
175°	562.0	571.8	608.1	649.8	666.6
176°	602.8	608.1	633.0	660.4	672.0
177°	635.6	638.3	652.5	669.3	675.5
178°	662.2	663.1	669.3	676.4	679.1
179°	681.7	680.8	681.7	683.5	684.4
180°	689.7	689.7	689.7	689.7	689.7

(END OF REPORT)