

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: P277733

Luminaire Tested: **203-SS-8LED2725-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277733
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-8LED2725-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

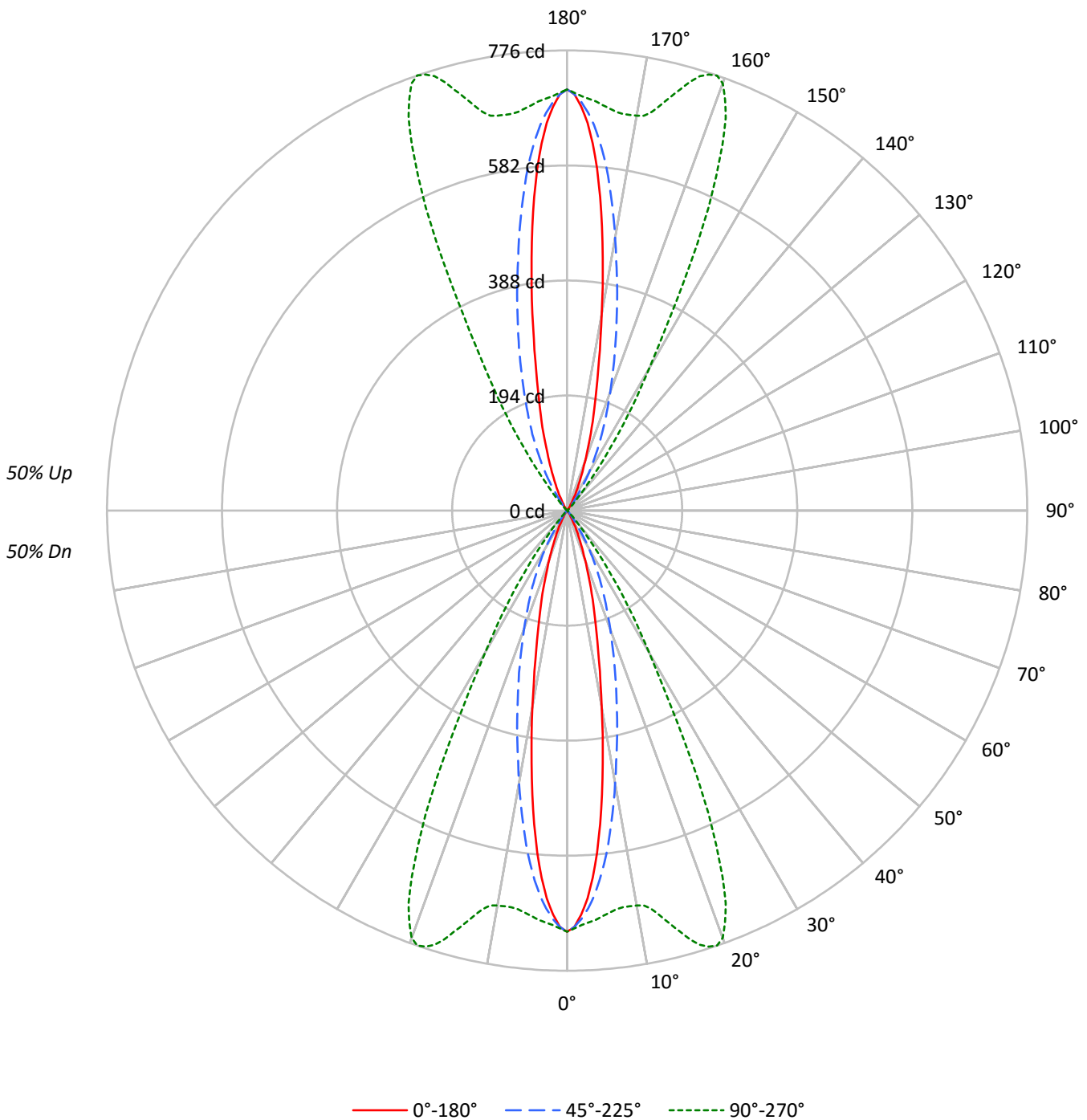
Lumens per Lamp: N/A
Luminaire Lumens: 577.4 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.98 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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°	350398	350398	350398
5°	286659	310134	339999
10°	168784	233712	338870
15°	90460	163655	375375
20°	45994	111204	402603
25°	21394	73056	307142
30°	7292	41076	157068
35°	3313	14275	69807
40°	1739	4702	18227
45°	1256	1884	3210
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°	55.3	9.6
10°-20°	108.0	18.7
20°-30°	92.3	16.0
30°-40°	28.9	5.0
40°-50°	3.2	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°	3.2	0.6
140°-150°	28.9	5.0
150°-160°	92.3	16.0
160°-170°	108.0	18.7
170°-180°	55.3	9.6
0°-30°	255.6	44.3
0°-40°	284.5	49.3
0°-60°	288.6	50.0
0°-90°	288.7	50.0
90°-120°	0.1	0.0
90°-150°	33.1	5.7
90°-180°	289.0	50.1
0°-180°	577.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	579	589	626	669	686	47
15°	177	205	320	560	735	50
25°	39	54	134	334	564	19
35°	6	7	24	78	116	4
45°	2	2	3	5	5	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	5	5	2
145°	6	7	24	78	116	4
155°	39	54	134	334	564	19
165°	177	205	320	560	735	50
175°	579	589	626	669	686	47
180°	710	710	710	710	710	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.2	710.2	710.2	710.2	710.2
1°	702.0	701.1	702.0	703.8	704.7
2°	681.9	682.8	689.2	696.5	699.3
3°	654.5	657.3	671.9	689.2	695.6
4°	620.8	626.2	651.8	680.1	692.0
5°	578.8	588.8	626.2	669.1	686.5
6°	531.3	546.8	597.9	656.4	681.9
7°	482.9	503.0	567.8	644.5	677.4
8°	430.0	456.4	533.1	629.0	675.5
9°	382.5	410.8	500.3	617.1	675.5
10°	336.9	367.0	466.5	604.3	676.4
11°	294.9	325.9	432.7	591.5	678.3
12°	257.4	289.4	403.5	579.7	687.4
13°	225.5	258.3	375.2	572.4	702.0
14°	199.9	229.1	346.0	566.0	718.4
15°	177.1	205.4	320.4	560.5	734.9
16°	156.1	183.5	296.7	550.5	752.2
17°	136.9	164.3	273.9	541.3	765.9
18°	118.7	145.1	252.0	529.5	773.2
19°	102.2	128.7	231.0	513.0	776.0
20°	87.6	112.3	211.8	493.9	766.8
21°	75.8	97.7	194.4	472.0	743.1
22°	63.9	84.9	178.0	440.9	713.9
23°	54.8	72.1	162.5	405.3	670.1
24°	46.6	62.1	147.9	369.7	618.0
25°	39.3	53.9	134.2	334.1	564.2
26°	32.9	45.6	120.5	297.6	500.3
27°	27.4	39.3	107.7	266.6	432.7
28°	21.0	32.0	94.9	234.6	369.7
29°	16.4	25.6	84.0	203.6	318.6
30°	12.8	20.1	72.1	177.1	275.7
32.5°	8.2	11.9	45.6	123.2	189.9
35°	5.5	7.3	23.7	77.6	115.9
37.5°	4.6	5.5	12.8	40.2	55.7
40°	2.7	3.7	7.3	17.3	28.3
42.5°	2.7	2.7	4.6	8.2	10.0
45°	1.8	1.8	2.7	4.6	4.6
47.5°	1.8	1.8	1.8	2.7	3.7
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	3.7
135°	1.8	1.8	2.7	4.6	4.6
137.5°	2.7	2.7	4.6	8.2	10.0
140°	2.7	3.7	7.3	17.3	28.3
142.5°	4.6	5.5	12.8	40.2	55.7
145°	5.5	7.3	23.7	77.6	115.9
147.5°	8.2	11.9	45.6	123.2	189.9
150°	12.8	20.1	72.1	177.1	275.7
151°	16.4	25.6	84.0	203.6	318.6
152°	21.0	32.0	94.9	234.6	369.7
153°	27.4	39.3	107.7	266.6	432.7
154°	32.9	45.6	120.5	297.6	500.3
155°	39.3	53.9	134.2	334.1	564.2
156°	46.6	62.1	147.9	369.7	618.0
157°	54.8	72.1	162.5	405.3	670.1
158°	63.9	84.9	178.0	440.9	713.9
159°	75.8	97.7	194.4	472.0	743.1
160°	87.6	112.3	211.8	493.9	766.8
161°	102.2	128.7	231.0	513.0	776.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
162°	118.7	145.1	252.0	529.5	773.2
163°	136.9	164.3	273.9	541.3	765.9
164°	156.1	183.5	296.7	550.5	752.2
165°	177.1	205.4	320.4	560.5	734.9
166°	199.9	229.1	346.0	566.0	718.4
167°	225.5	258.3	375.2	572.4	702.0
168°	257.4	289.4	403.5	579.7	687.4
169°	294.9	325.9	432.7	591.5	678.3
170°	336.9	367.0	466.5	604.3	676.4
171°	382.5	410.8	500.3	617.1	675.5
172°	430.0	456.4	533.1	629.0	675.5
173°	482.9	503.0	567.8	644.5	677.4
174°	531.3	546.8	597.9	656.4	681.9
175°	578.8	588.8	626.2	669.1	686.5
176°	620.8	626.2	651.8	680.1	692.0
177°	654.5	657.3	671.9	689.2	695.6
178°	681.9	682.8	689.2	696.5	699.3
179°	702.0	701.1	702.0	703.8	704.7
180°	710.2	710.2	710.2	710.2	710.2

(END OF REPORT)