

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: P277773

Luminaire Tested: **203-SS-8LED3036-12-BK-LSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277773
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3036-12-BK-LSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK, LINEAR SPREAD LENS
Light Source: (1) SORAA 3000K 95 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 541.9 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 1.02 / 0.74
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

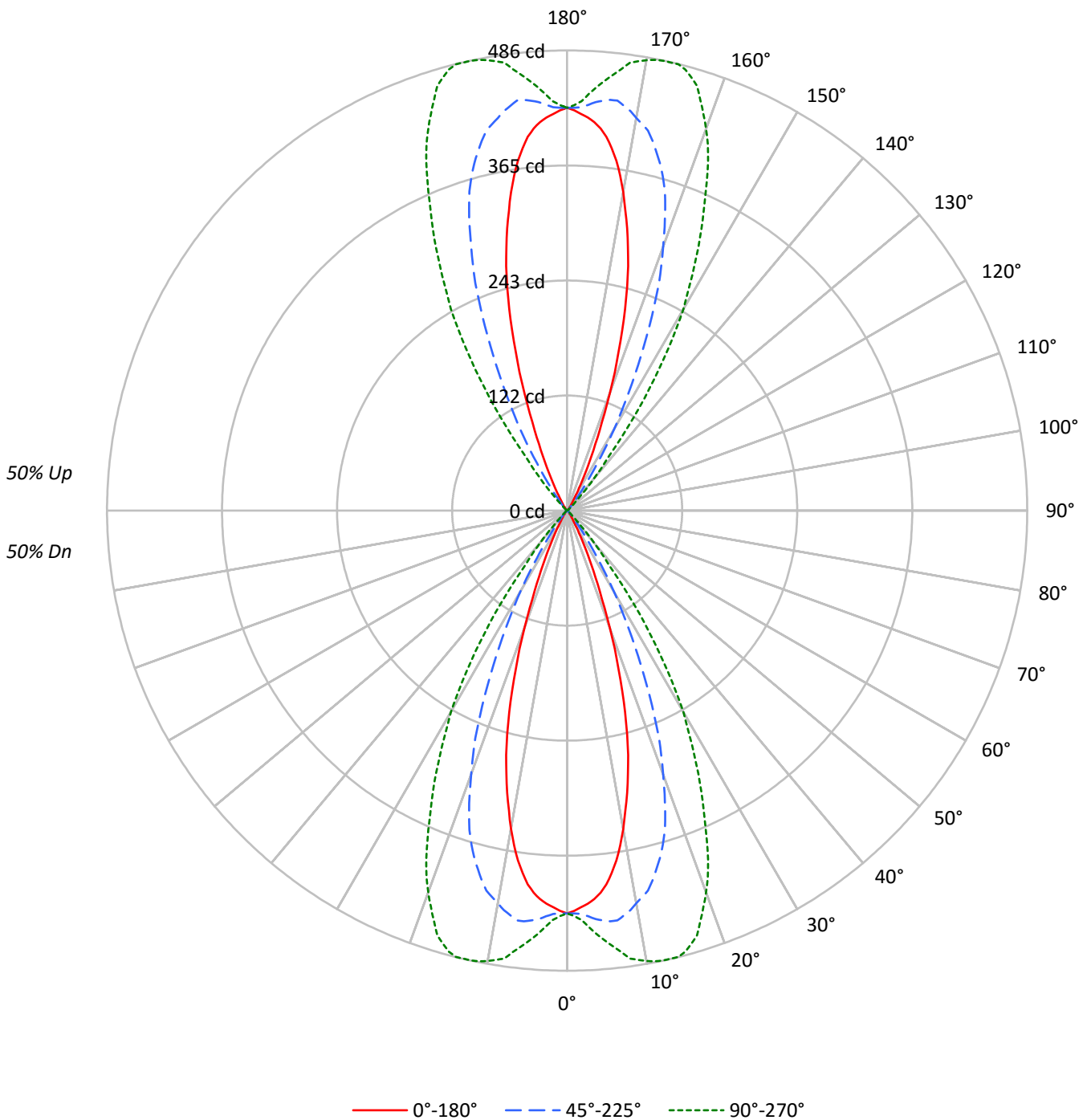
Input Watts (W): 15.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	85	77	75	74	65	64	63	54	53	53	47				
2	94	88	84	80	87	82	79	75	71	68	66	61	59	57	51	50	49	45				
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42				
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40				
5	78	69	63	58	73	65	59	55	57	54	50	51	48	46	44	42	41	38				
6	73	64	58	53	69	60	55	51	54	50	47	48	45	43	42	40	38	36				
7	69	60	53	49	65	56	51	47	51	46	43	45	42	40	40	38	36	34				
8	65	56	49	45	61	53	47	44	48	44	41	43	40	38	38	36	34	32				
9	62	52	46	42	58	50	44	41	45	41	38	41	38	35	37	34	33	31				
10	59	49	43	39	55	47	42	38	43	39	36	39	36	33	35	33	31	29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	209933	209933	209933
5°	200632	215143	225692
10°	170988	210967	242029
15°	124989	193791	246351
20°	68886	155465	225296
25°	27981	104250	184328
30°	9115	56059	139920
35°	4276	19214	80107
40°	2254	5732	28532
45°	1256	2442	6210
50°	691	1382	2072
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°	40.9	7.6
10°-20°	101.5	18.7
20°-30°	88.1	16.3
30°-40°	34.9	6.4
40°-50°	4.5	0.8
50°-60°	1.0	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°	1.0	0.2
130°-140°	4.5	0.8
140°-150°	34.9	6.4
150°-160°	88.1	16.3
160°-170°	101.5	18.7
170°-180°	40.9	7.6
0°-30°	230.6	42.5
0°-40°	265.4	49.0
0°-60°	270.8	50.0
0°-90°	271.0	50.0
90°-120°	0.1	0.0
90°-150°	40.4	7.5
90°-180°	271.0	50.0
0°-180°	541.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	405	417	434	451	456	37
15°	245	287	379	456	482	65
25°	51	75	192	308	339	26
35°	7	10	32	101	133	5
45°	2	3	4	7	9	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	3	4	7	9	2
145°	7	10	32	101	133	5
155°	51	75	192	308	339	26
165°	245	287	379	456	482	65
175°	405	417	434	451	456	37
180°	426	426	426	426	426	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	425.5	425.5	425.5	425.5	425.5
1°	422.9	423.7	425.5	427.3	428.2
2°	419.3	422.0	426.4	430.8	432.6
3°	415.8	421.1	429.1	437.0	440.6
4°	411.3	419.3	432.6	443.2	448.6
5°	405.1	416.7	434.4	451.2	455.7
6°	397.1	412.2	436.2	455.7	462.8
7°	385.6	406.0	436.2	460.1	469.8
8°	373.2	396.3	431.7	463.6	477.8
9°	358.1	385.6	427.3	466.3	480.5
10°	341.3	372.3	421.1	467.2	483.1
11°	322.7	358.1	415.8	466.3	484.9
12°	305.0	342.2	410.4	465.4	485.8
13°	285.5	325.3	400.7	463.6	485.8
14°	265.9	306.7	390.1	460.1	485.8
15°	244.7	287.2	379.4	455.7	482.3
16°	221.6	266.8	367.0	451.2	476.0
17°	199.5	246.4	352.8	442.4	469.0
18°	175.5	221.6	335.1	429.9	455.7
19°	154.3	197.7	316.5	415.8	442.4
20°	131.2	173.8	296.1	400.7	429.1
21°	109.9	150.7	277.5	383.9	414.9
22°	91.3	126.8	258.9	367.9	397.1
23°	76.2	106.4	235.8	351.9	377.6
24°	62.9	89.5	213.6	332.4	357.3
25°	51.4	75.4	191.5	308.5	338.6
26°	42.6	62.9	171.1	287.2	320.0
27°	33.7	51.4	150.7	265.1	300.5
28°	26.6	41.7	132.1	245.6	281.0
29°	21.3	32.8	114.4	220.7	262.4
30°	16.0	26.6	98.4	201.2	245.6
32.5°	9.8	15.1	59.4	155.1	189.7
35°	7.1	9.8	31.9	101.1	133.0
37.5°	4.4	6.2	16.0	56.7	71.8
40°	3.5	4.4	8.9	26.6	44.3
42.5°	2.7	3.5	5.3	12.4	17.7
45°	1.8	2.7	3.5	7.1	8.9
47.5°	1.8	1.8	1.8	3.5	4.4
50°	0.9	0.9	1.8	1.8	2.7
52.5°	0.9	0.9	0.9	1.8	1.8
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	1.8	1.8
130°	0.9	0.9	1.8	1.8	2.7
132.5°	1.8	1.8	1.8	3.5	4.4
135°	1.8	2.7	3.5	7.1	8.9
137.5°	2.7	3.5	5.3	12.4	17.7
140°	3.5	4.4	8.9	26.6	44.3
142.5°	4.4	6.2	16.0	56.7	71.8
145°	7.1	9.8	31.9	101.1	133.0
147.5°	9.8	15.1	59.4	155.1	189.7
150°	16.0	26.6	98.4	201.2	245.6
151°	21.3	32.8	114.4	220.7	262.4
152°	26.6	41.7	132.1	245.6	281.0
153°	33.7	51.4	150.7	265.1	300.5
154°	42.6	62.9	171.1	287.2	320.0
155°	51.4	75.4	191.5	308.5	338.6
156°	62.9	89.5	213.6	332.4	357.3
157°	76.2	106.4	235.8	351.9	377.6
158°	91.3	126.8	258.9	367.9	397.1
159°	109.9	150.7	277.5	383.9	414.9
160°	131.2	173.8	296.1	400.7	429.1
161°	154.3	197.7	316.5	415.8	442.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
162°	175.5	221.6	335.1	429.9	455.7
163°	199.5	246.4	352.8	442.4	469.0
164°	221.6	266.8	367.0	451.2	476.0
165°	244.7	287.2	379.4	455.7	482.3
166°	265.9	306.7	390.1	460.1	485.8
167°	285.5	325.3	400.7	463.6	485.8
168°	305.0	342.2	410.4	465.4	485.8
169°	322.7	358.1	415.8	466.3	484.9
170°	341.3	372.3	421.1	467.2	483.1
171°	358.1	385.6	427.3	466.3	480.5
172°	373.2	396.3	431.7	463.6	477.8
173°	385.6	406.0	436.2	460.1	469.8
174°	397.1	412.2	436.2	455.7	462.8
175°	405.1	416.7	434.4	451.2	455.7
176°	411.3	419.3	432.6	443.2	448.6
177°	415.8	421.1	429.1	437.0	440.6
178°	419.3	422.0	426.4	430.8	432.6
179°	422.9	423.7	425.5	427.3	428.2
180°	425.5	425.5	425.5	425.5	425.5

(END OF REPORT)