

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: P277752

Luminaire Tested: **203-SS-8LED3010-12-BK-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277752
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED3010-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI 10°NSP LED SM16-07-10D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

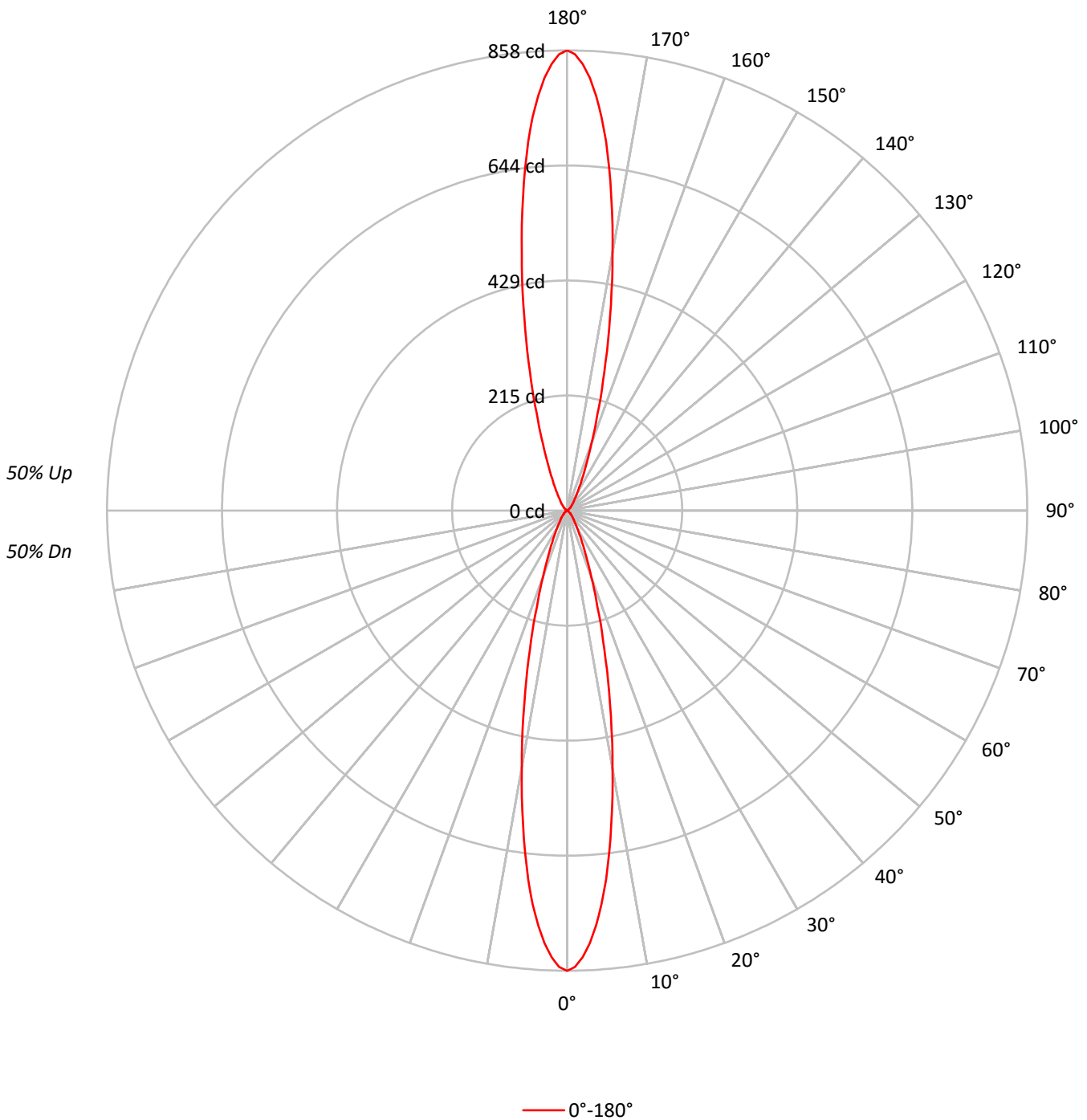
Lumens per Lamp: N/A
Luminaire Lumens: 390.7 lumens
Efficiency: N/A
Efficacy: 24.3 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 16.1
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	101	98	95	92	93	90	88	86	77	76	74	65	64	63	54	54	53	48				
2	95	89	85	81	88	83	80	76	72	69	67	62	60	58	52	51	50	46				
3	89	82	77	73	83	77	73	69	67	64	62	58	56	54	50	49	48	44				
4	84	76	70	66	78	72	67	63	63	60	57	55	53	51	48	46	45	42				
5	79	71	65	60	74	67	62	58	60	56	53	53	50	48	46	45	43	40				
6	75	66	60	56	70	63	58	54	56	52	50	50	47	45	44	43	41	39				
7	71	62	56	52	67	59	54	50	53	50	47	48	45	43	43	41	40	38				
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	41	40	38	36				
9	65	56	50	46	61	53	48	45	49	45	42	44	41	39	40	38	37	35				
10	62	53	47	44	59	51	46	43	47	43	40	43	40	38	39	37	36	34				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423369
5°	364861
10°	244283
15°	136277
20°	68886
25°	36202
30°	21193
35°	13371
40°	9725
45°	6838
50°	4759
55°	3011
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	15.9
10°-20°	75.1	19.2
20°-30°	32.6	8.3
30°-40°	14.7	3.8
40°-50°	7.6	2.0
50°-60°	2.9	0.7
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°	0.6	0.1
120°-130°	2.9	0.7
130°-140°	7.6	2.0
140°-150°	14.7	3.8
150°-160°	32.6	8.3
160°-170°	75.1	19.2
170°-180°	62.1	15.9
0°-30°	169.7	43.4
0°-40°	184.5	47.2
0°-60°	195.0	49.9
0°-90°	195.4	50.0
90°-120°	0.6	0.1
90°-150°	25.8	6.6
90°-180°	196.0	50.2
0°-180°	390.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	858	
5°	737	62
15°	267	75
25°	66	33
35°	22	15
45°	10	8
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	4	3
135°	10	8
145°	22	15
155°	66	33
165°	267	75
175°	737	62
180°	858	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	858.1
1°	851.0
2°	833.3
3°	807.6
4°	775.7
5°	736.7
6°	692.4
7°	643.6
8°	591.3
9°	539.9
10°	487.6
12.5°	367.9
15°	266.8
17.5°	187.9
20°	131.2
22.5°	93.1
25°	66.5
27.5°	48.8
30°	37.2
32.5°	28.4
35°	22.2
37.5°	18.6
40°	15.1
42.5°	11.5
45°	9.8
47.5°	8.0
50°	6.2
52.5°	4.4
55°	3.5
57.5°	1.8
60°	0.9
62.5°	0.9
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.9
120°	0.9
122.5°	1.8
125°	3.5
127.5°	4.4
130°	6.2
132.5°	8.0
135°	9.8
137.5°	11.5
140°	15.1
142.5°	18.6
145°	22.2
147.5°	28.4
150°	37.2
152.5°	48.8
155°	66.5
157.5°	93.1
160°	131.2
162.5°	187.9
165°	266.8
167.5°	367.9
170°	487.6
171°	539.9
172°	591.3
173°	643.6
174°	692.4
175°	736.7
176°	775.7
177°	807.6
178°	833.3
179°	851.0
180°	858.1

(END OF REPORT)