

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: P277762

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277762
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-28)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 3000K 95 CRI 25°NFL LED SM16-07-25D-930-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

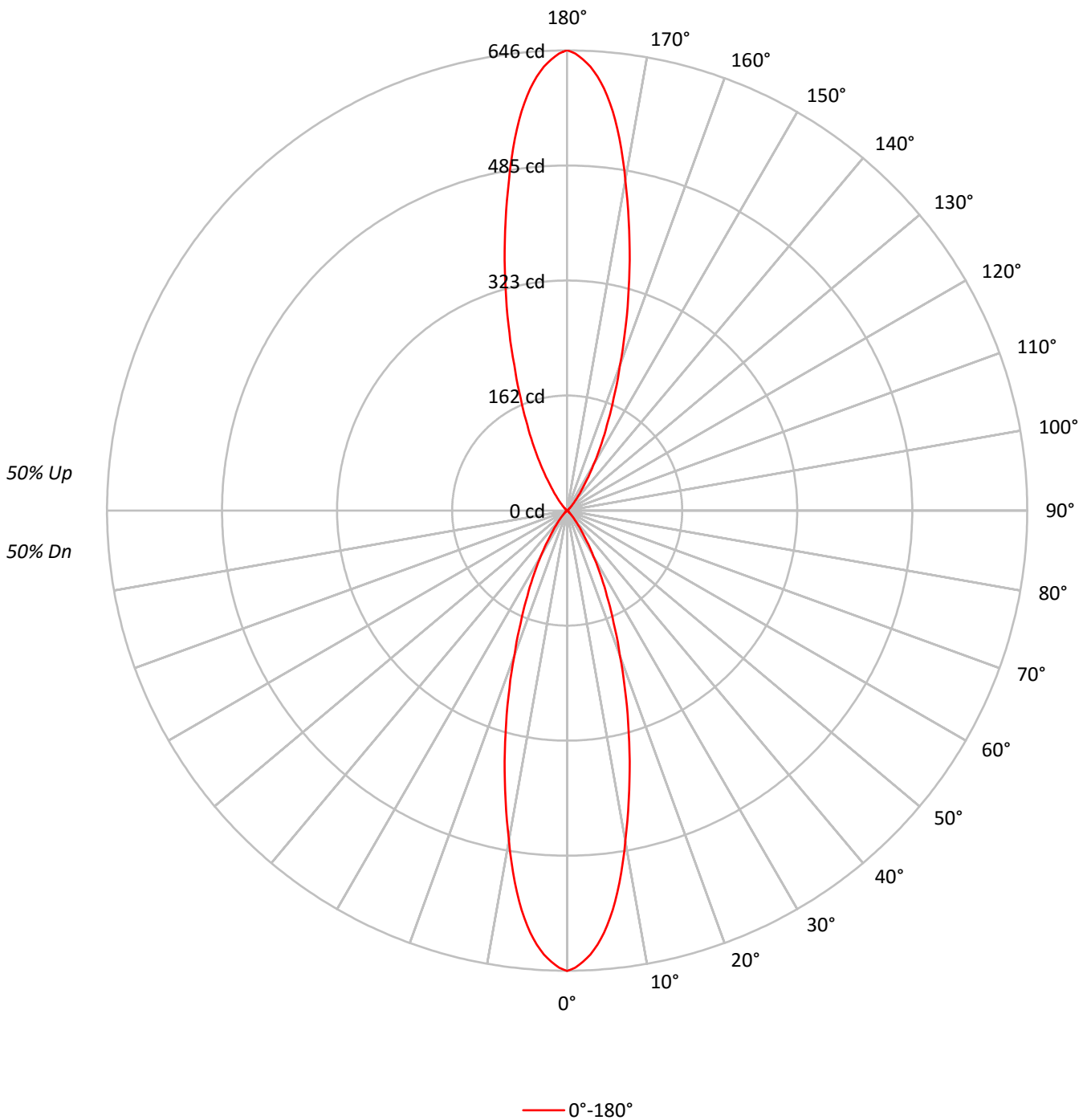
Lumens per Lamp: N/A
Luminaire Lumens: 474.7 lumens
Efficiency: N/A
Efficacy: 30.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.8
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	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	76	74	65	64	63	54	53	53	48				
2	94	89	84	81	87	83	79	76	72	69	67	61	59	58	52	51	50	45				
3	89	82	76	72	82	76	72	68	67	63	61	58	56	54	49	48	47	43				
4	83	75	69	65	78	71	66	62	62	59	56	55	52	50	47	46	44	41				
5	79	70	64	59	73	66	61	57	59	55	52	52	49	47	45	43	42	39				
6	74	65	59	55	70	62	56	52	55	51	48	49	46	44	43	41	40	37				
7	70	61	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36				
8	67	57	51	47	63	54	49	46	49	45	42	44	42	39	40	38	36	34				
9	63	54	48	44	60	51	46	43	47	43	40	42	40	37	38	36	35	33				
10	61	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	318871
5°	294583
10°	235816
15°	171623
20°	114039
25°	71913
30°	41930
35°	21382
40°	10305
45°	4326
50°	2072
55°	774
60°	888
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	11.1
10°-20°	92.4	19.5
20°-30°	61.5	12.9
30°-40°	23.7	5.0
40°-50°	5.6	1.2
50°-60°	1.2	0.3
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°	1.2	0.3
130°-140°	5.6	1.2
140°-150°	23.7	5.0
150°-160°	61.5	12.9
160°-170°	92.4	19.5
170°-180°	52.8	11.1
0°-30°	206.7	43.5
0°-40°	230.4	48.5
0°-60°	237.3	50.0
0°-90°	237.4	50.0
90°-120°	0.1	0.0
90°-150°	30.7	6.5
90°-180°	237.0	49.9
0°-180°	474.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	646	
5°	595	53
15°	336	92
25°	132	61
35°	36	24
45°	6	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	6	6
145°	36	24
155°	132	61
165°	336	92
175°	595	53
180°	646	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	646.3
1°	641.8
2°	633.8
3°	624.1
4°	610.8
5°	594.8
6°	575.3
7°	553.2
8°	527.5
9°	500.0
10°	470.7
12.5°	402.5
15°	336.0
17.5°	273.9
20°	217.2
22.5°	170.2
25°	132.1
27.5°	100.2
30°	73.6
32.5°	51.4
35°	35.5
37.5°	23.9
40°	16.0
42.5°	9.8
45°	6.2
47.5°	4.4
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
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°	0.0
120°	0.9
122.5°	0.9
125°	0.9
127.5°	1.8
130°	2.7
132.5°	4.4
135°	6.2
137.5°	9.8
140°	16.0
142.5°	23.9
145°	35.5
147.5°	51.4
150°	73.6
152.5°	100.2
155°	132.1
157.5°	170.2
160°	217.2
162.5°	273.9
165°	336.0
167.5°	402.5
170°	470.7
171°	500.0
172°	527.5
173°	553.2
174°	575.3
175°	594.8
176°	610.8
177°	624.1
178°	633.8
179°	641.8
180°	646.3

(END OF REPORT)