

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: P277792

Luminaire Tested: **203-SS-8LED4025-12-BK-DIFF**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: P277792
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-28)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED4025-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 4000K 95 CRI 25°NFL LED SM16-07-25D-940-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

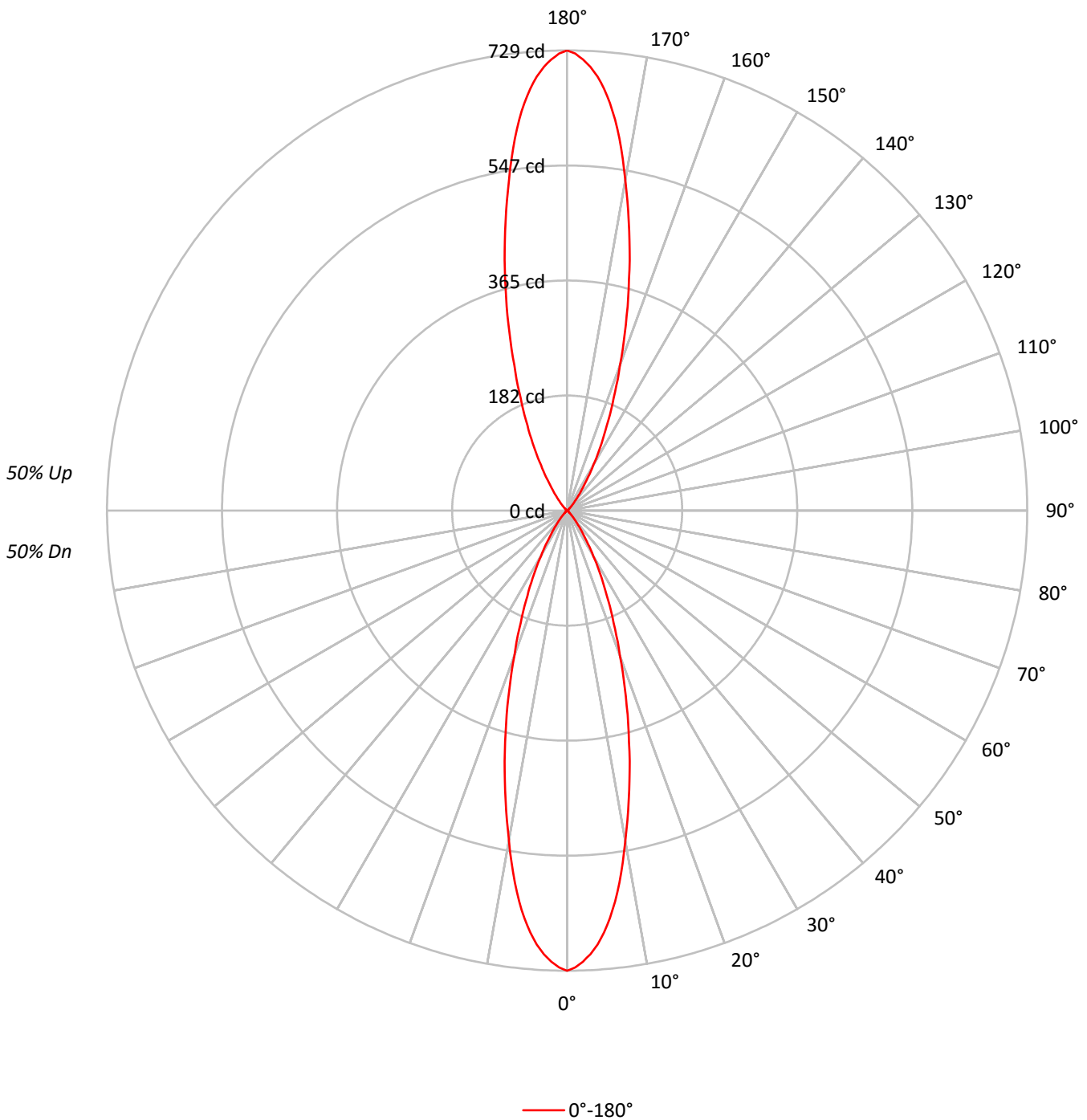
Lumens per Lamp: N/A
Luminaire Lumens: 535.4 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.8
Input Voltage (V): 12.0
Input Current (Ain): 0.693
Voltage Rise (V): NR
Power Factor: 0.9491
Total Harmonic Distortion (THDi): 26.9%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 9 HR
Ambient Temperature (°C): 25.1
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	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	55	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°	359674
5°	332322
10°	266026
15°	193587
20°	128636
25°	81113
30°	47286
35°	24092
40°	11593
45°	4884
50°	2303
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	11.1
10°-20°	104.3	19.5
20°-30°	69.3	13.0
30°-40°	26.8	5.0
40°-50°	6.3	1.2
50°-60°	1.3	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°	1.3	0.2
130°-140°	6.3	1.2
140°-150°	26.8	5.0
150°-160°	69.3	13.0
160°-170°	104.3	19.5
170°-180°	59.5	11.1
0°-30°	233.1	43.5
0°-40°	259.9	48.5
0°-60°	267.6	50.0
0°-90°	267.7	50.0
90°-120°	0.1	0.0
90°-150°	34.6	6.5
90°-180°	268.0	50.1
0°-180°	535.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	729	
5°	671	60
15°	379	104
25°	149	69
35°	40	27
45°	7	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°	7	6
145°	40	27
155°	149	69
165°	379	104
175°	671	60
180°	729	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	729
1°	724
2°	715
3°	704
4°	689
5°	671
6°	649
7°	624
8°	595
9°	564
10°	531
12.5°	454
15°	379
17.5°	309
20°	245
22.5°	192
25°	149
27.5°	113
30°	83
32.5°	58
35°	40
37.5°	27
40°	18
42.5°	11
45°	7
47.5°	5
50°	3
52.5°	2
55°	1
57.5°	1
60°	1
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0



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CANDELA DISTRIBUTION (continued):

	0°
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	0
117.5°	0
120°	1
122.5°	1
125°	1
127.5°	2
130°	3
132.5°	5
135°	7
137.5°	11
140°	18
142.5°	27
145°	40
147.5°	58
150°	83
152.5°	113
155°	149
157.5°	192
160°	245
162.5°	309
165°	379
167.5°	454
170°	531
171°	564
172°	595
173°	624
174°	649
175°	671
176°	689
177°	704
178°	715
179°	724
180°	729

(END OF REPORT)