

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: P277732

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277732
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-8LED2725-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI 25°NFL LED SM16-07-25D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

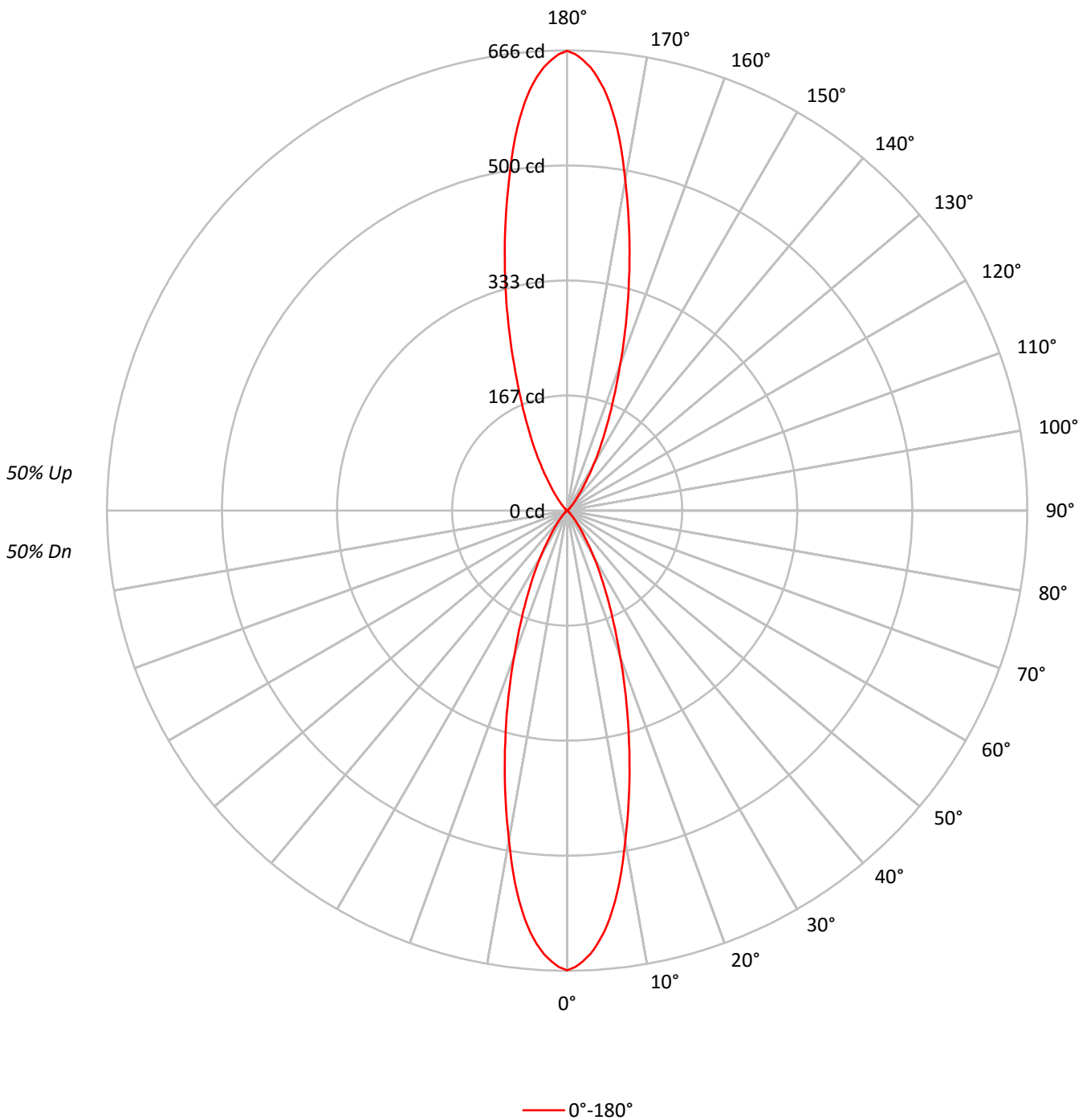
Lumens per Lamp: N/A
Luminaire Lumens: 488.7 lumens
Efficiency: N/A
Efficacy: 30.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.8
Input Voltage (V): 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	0
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	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	64	54	48	44	60	52	46	43	47	43	40		42	40	37		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328344
5°	303349
10°	242830
15°	176731
20°	117452
25°	74036
30°	43184
35°	21984
40°	10563
45°	4466
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°	54.3	11.1
10°-20°	95.2	19.5
20°-30°	63.3	13.0
30°-40°	24.4	5.0
40°-50°	5.8	1.2
50°-60°	1.2	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°	1.2	0.2
130°-140°	5.8	1.2
140°-150°	24.4	5.0
150°-160°	63.3	13.0
160°-170°	95.2	19.5
170°-180°	54.3	11.1
0°-30°	212.8	43.6
0°-40°	237.3	48.6
0°-60°	244.3	50.0
0°-90°	244.4	50.0
90°-120°	0.1	0.0
90°-150°	31.5	6.4
90°-180°	244.0	49.9
0°-180°	488.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	666	
5°	612	54
15°	346	95
25°	136	63
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°	136	63
165°	346	95
175°	612	54
180°	666	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	665.5
1°	660.9
2°	652.7
3°	642.7
4°	629.0
5°	612.5
6°	592.5
7°	569.6
8°	543.2
9°	514.9
10°	484.7
12.5°	414.4
15°	346.0
17.5°	282.1
20°	223.7
22.5°	175.3
25°	136.0
27.5°	103.2
30°	75.8
32.5°	52.9
35°	36.5
37.5°	24.6
40°	16.4
42.5°	10.0
45°	6.4
47.5°	4.6
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°	4.6
135°	6.4
137.5°	10.0
140°	16.4
142.5°	24.6
145°	36.5
147.5°	52.9
150°	75.8
152.5°	103.2
155°	136.0
157.5°	175.3
160°	223.7
162.5°	282.1
165°	346.0
167.5°	414.4
170°	484.7
171°	514.9
172°	543.2
173°	569.6
174°	592.5
175°	612.5
176°	629.0
177°	642.7
178°	652.7
179°	660.9
180°	665.5

(END OF REPORT)