

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: P277724

Luminaire Tested: **203-SS-8LED2710-12-BK-LVR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P277724
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-26)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2710-12-BK-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

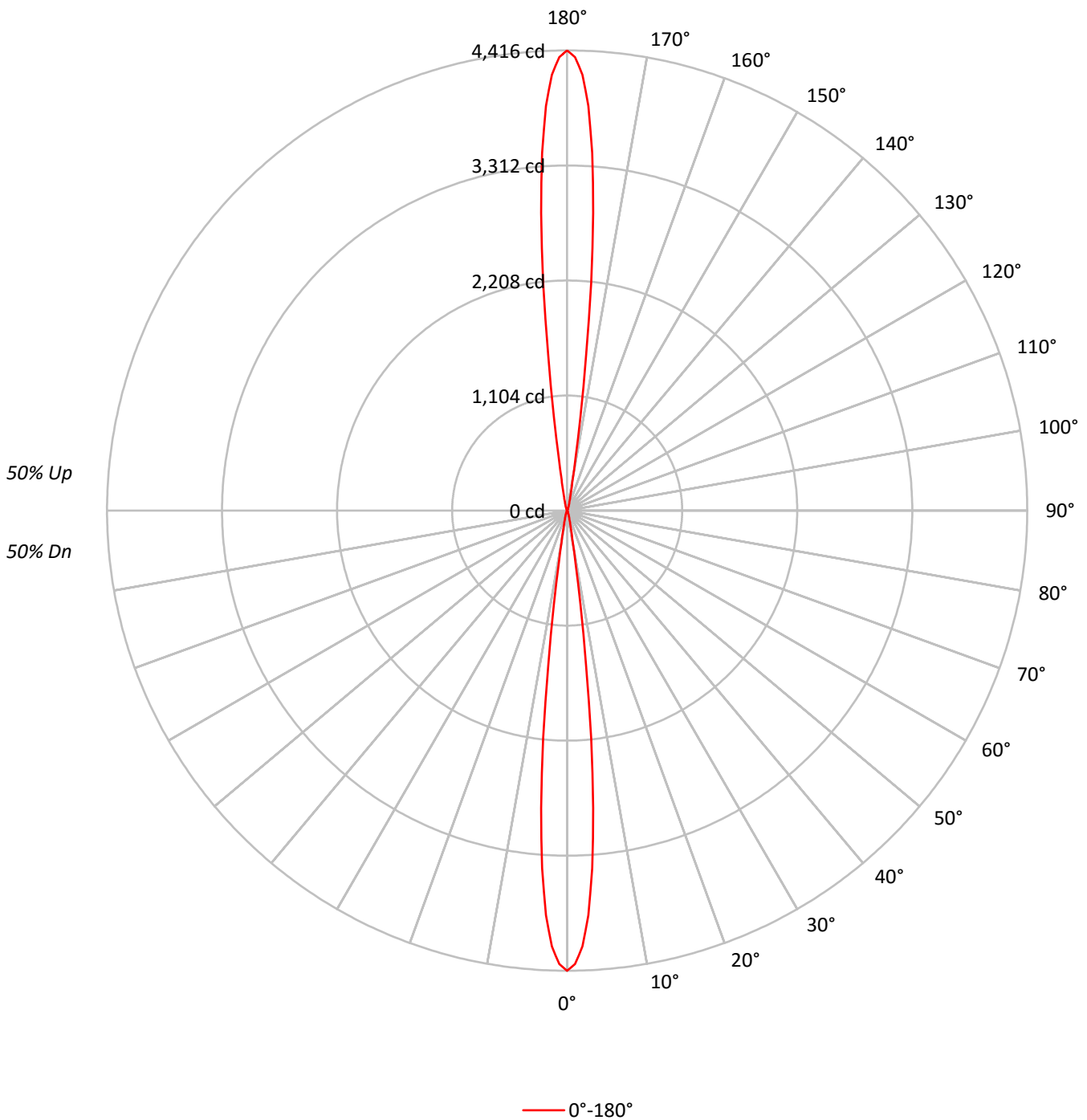
Lumens per Lamp: N/A
Luminaire Lumens: 429.6 lumens
Efficiency: N/A
Efficacy: 26.7 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	99	96	94	94	92	89	88	78	77	76	66	66	65	55	55	55	49				
2	96	91	88	84	89	85	82	79	74	72	70	64	63	62	54	54	53	49				
3	92	86	81	77	85	80	77	73	71	68	66	62	60	59	54	53	52	48				
4	87	81	76	72	82	76	72	69	68	65	63	60	58	57	53	52	51	48				
5	84	76	71	68	79	73	68	65	65	62	60	58	57	55	52	51	50	48				
6	81	73	68	64	76	70	65	62	63	60	58	57	55	54	51	50	49	47				
7	78	70	65	61	73	67	63	60	61	58	56	56	54	52	51	50	49	47				
8	75	67	62	59	71	65	60	57	60	57	54	55	53	51	50	49	48	46				
9	73	65	60	57	69	63	59	56	58	55	53	54	52	50	50	49	48	46				
10	71	63	59	55	67	61	57	54	57	54	52	53	51	50	49	48	47	46				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2179011
5°	1419675
10°	151850
15°	43366
20°	18219
25°	8438
30°	5184
35°	3313
40°	1739
45°	1256
50°	691
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	40.2
10°-20°	28.7	6.7
20°-30°	7.9	1.8
30°-40°	3.6	0.8
40°-50°	1.2	0.3
50°-60°	0.5	0.1
60°-70°	0.0	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°	0.0	0.0
120°-130°	0.5	0.1
130°-140°	1.2	0.3
140°-150°	3.6	0.8
150°-160°	7.9	1.8
160°-170°	28.7	6.7
170°-180°	172.9	40.2
0°-30°	209.5	48.8
0°-40°	213.1	49.6
0°-60°	214.8	50.0
0°-90°	214.8	50.0
90°-120°	0.0	0.0
90°-150°	5.3	1.2
90°-180°	215.0	50.0
0°-180°	429.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4416	
5°	2866	173
15°	85	29
25°	16	8
35°	6	4
45°	2	1
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	0
135°	2	1
145°	6	4
155°	16	8
165°	85	29
175°	2866	173
180°	4416	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4416.5
1°	4352.6
2°	4184.7
3°	3888.0
4°	3439.8
5°	2866.5
6°	2196.4
7°	1494.4
8°	904.7
9°	508.5
10°	303.1
12.5°	141.5
15°	84.9
17.5°	56.6
20°	34.7
22.5°	21.9
25°	15.5
27.5°	11.9
30°	9.1
32.5°	7.3
35°	5.5
37.5°	4.6
40°	2.7
42.5°	1.8
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.0
60°	0.0
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°	0.0
122.5°	0.0
125°	0.9
127.5°	0.9
130°	0.9
132.5°	0.9
135°	1.8
137.5°	1.8
140°	2.7
142.5°	4.6
145°	5.5
147.5°	7.3
150°	9.1
152.5°	11.9
155°	15.5
157.5°	21.9
160°	34.7
162.5°	56.6
165°	84.9
167.5°	141.5
170°	303.1
171°	508.5
172°	904.7
173°	1494.4
174°	2196.4
175°	2866.5
176°	3439.8
177°	3888.0
178°	4184.7
179°	4352.6
180°	4416.5

(END OF REPORT)