

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: P247019

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247019
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-30)
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-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 25 DEGREE NARROW OPTIC, REGRESSED HOOD BLACK, HEX CELL LOUVER
Light Source: (1) SORAA 2700K 95 CRI LED
SM16-07-25D-927-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

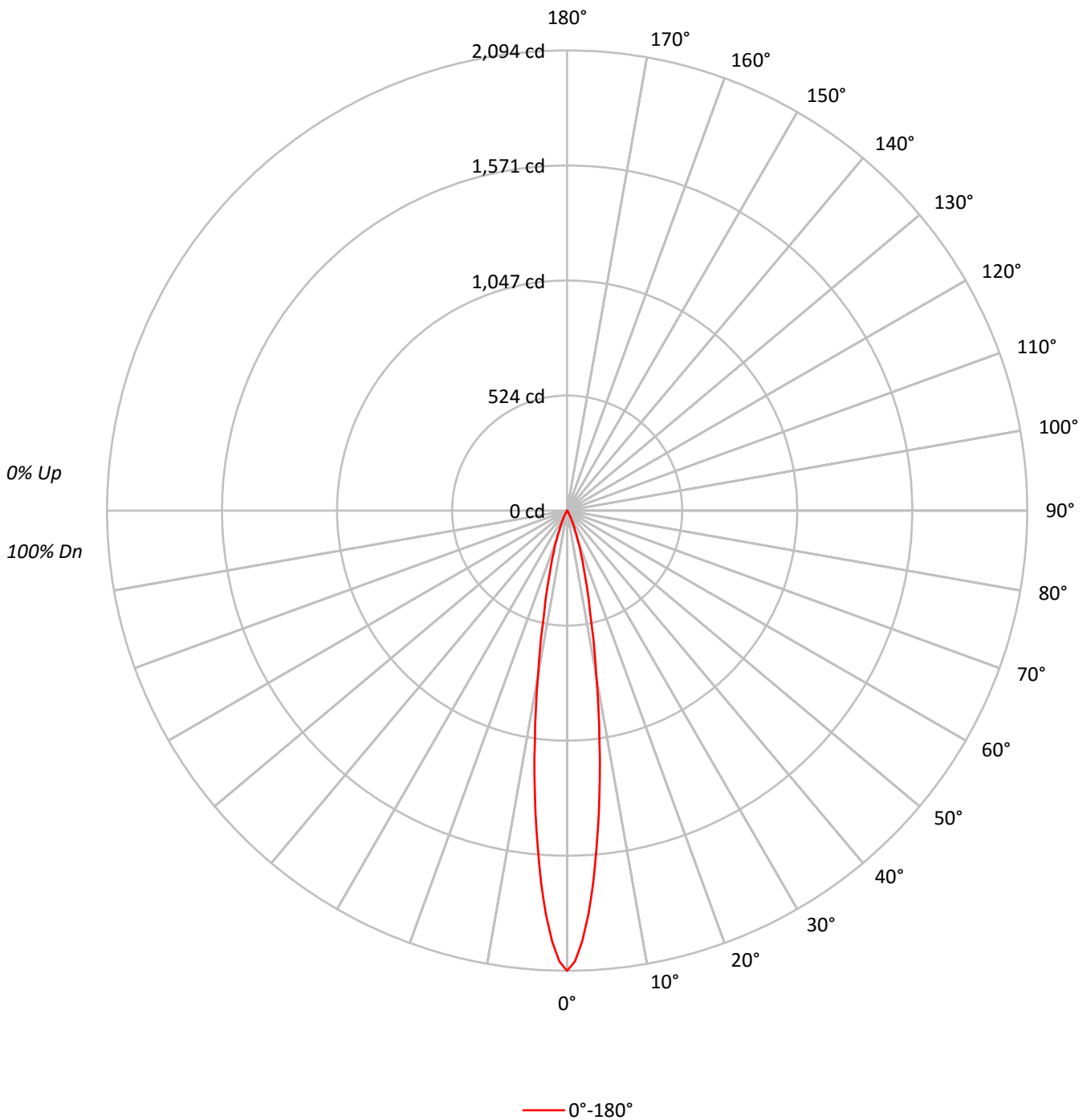
Lumens per Lamp: N/A
Luminaire Lumens: 248.7 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): 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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	114	112	110	113	111	110	109	107	106	105	105	104	103	102	102	100	100	99	99	98	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	101	101	100	99	99	99	98	97	97	97	97	97	97
3	109	105	102	99	107	104	101	98	101	99	97	97	99	97	96	96	97	95	94	94	94	94	94	94
4	106	102	98	95	105	101	97	95	99	96	94	94	97	95	93	93	95	93	92	92	92	92	92	92
5	104	99	95	92	102	98	94	92	96	93	91	91	95	92	90	90	93	91	90	90	90	90	90	90
6	101	96	92	90	100	95	92	89	94	91	89	89	93	90	88	88	92	90	88	88	88	88	88	88
7	99	94	90	87	98	93	90	87	92	89	87	87	91	88	86	86	90	88	86	86	86	86	86	86
8	97	91	88	85	96	91	87	85	90	87	85	85	89	86	84	84	88	86	84	84	84	84	84	84
9	95	89	86	83	94	89	86	83	88	85	83	83	87	85	83	83	87	84	83	83	83	83	83	83
10	93	87	84	82	92	87	84	82	86	83	81	81	86	83	81	81	85	83	81	81	81	81	81	81

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	1033235
5°	760924
10°	384160
15°	164575
20°	72876
25°	26838
30°	7805
35°	3313
40°	1739
45°	1256
50°	691
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	48.8
10°-20°	96.1	38.7
20°-30°	25.9	10.4
30°-40°	3.9	1.6
40°-50°	1.2	0.5
50°-60°	0.1	0.0
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°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	243.5	97.9
0°-40°	247.4	99.5
0°-60°	248.7	100.0
0°-90°	248.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2094	
5°	1536	121
15°	322	96
25°	49	26
35°	6	4
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2094.2
1°	2051.3
2°	1961.8
3°	1842.2
4°	1697.1
5°	1536.4
6°	1381.2
7°	1220.5
8°	1058.0
9°	907.4
10°	766.8
12.5°	487.5
15°	322.2
17.5°	215.4
20°	138.8
22.5°	85.8
25°	49.3
27.5°	26.5
30°	13.7
32.5°	8.2
35°	5.5
37.5°	3.7
40°	2.7
42.5°	1.8
45°	1.8
47.5°	0.9
50°	0.9
52.5°	0.0
55°	0.0
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

(END OF REPORT)