

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: P247012

Luminaire Tested: **230-8LED2710-12-CS-DIFF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247012
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-36)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED2710-12-CS-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI 10° NSP LED
SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

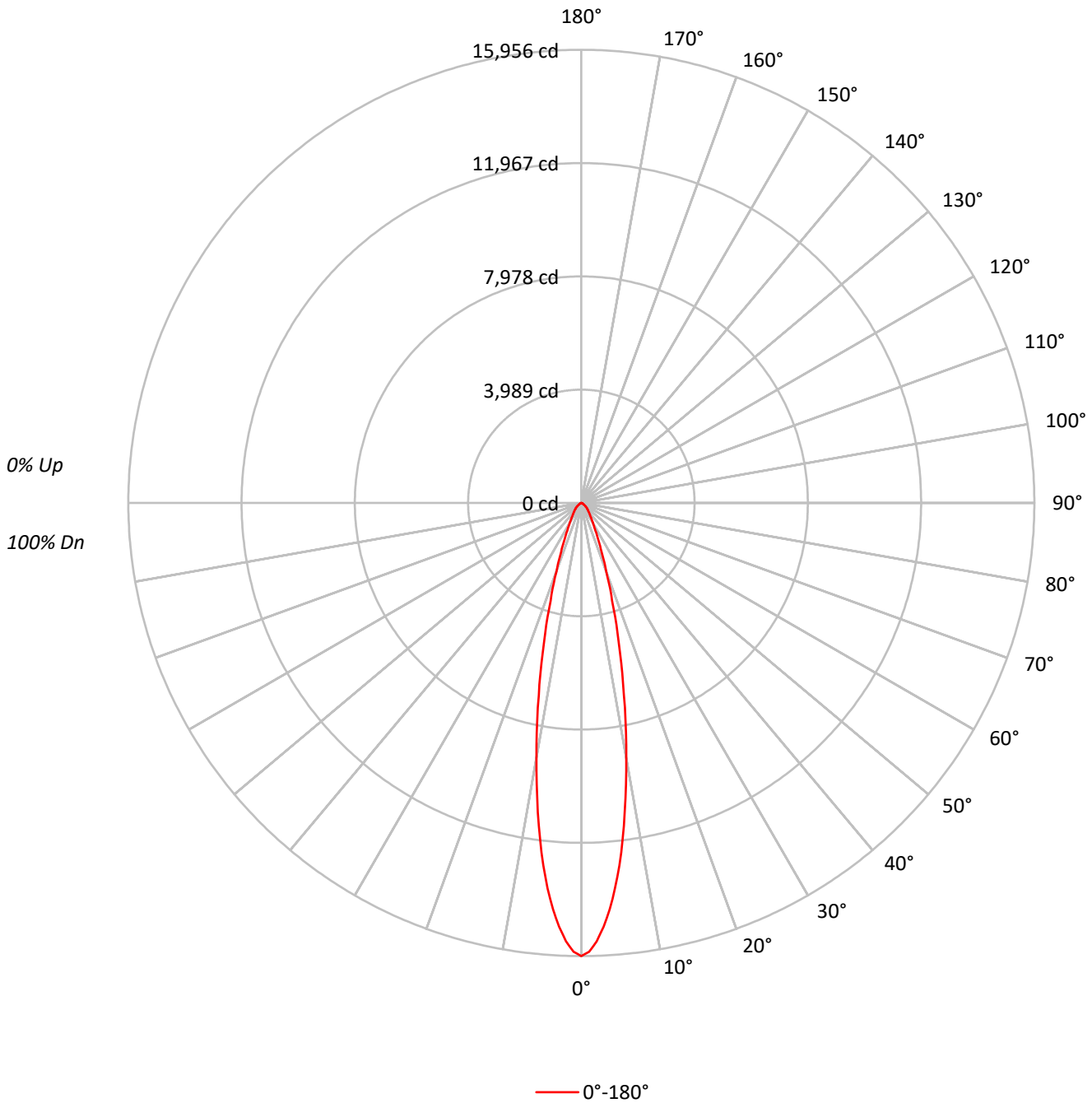
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 533.3 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71
8	87	79	74	70	86	78	74	70	77	73	70	76	73	70	76	72	70	68
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7872364
5°	6746390
10°	4563725
15°	2585180
20°	1350885
25°	746895
30°	468982
35°	330545
40°	254211
45°	203253
50°	158655
55°	118017
60°	68580
65°	39459
70°	24379
75°	32216
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1151.7	28.8
10°-20°	1424.0	35.6
20°-30°	665.7	16.6
30°-40°	351.8	8.8
40°-50°	229.1	5.7
50°-60°	122.1	3.1
60°-70°	39.8	1.0
70°-80°	15.6	0.4
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°	3241.5	81.0
0°-40°	3593.3	89.8
0°-60°	3944.6	98.6
0°-90°	4000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15956	
5°	13622	###
15°	5061	1424
25°	1372	666
35°	549	352
45°	291	229
55°	137	122
65°	34	40
75°	17	16
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15956.0
1°	15801.9
2°	15441.1
3°	14943.0
4°	14343.5
5°	13621.8
6°	12832.5
7°	11941.7
8°	10998.2
9°	10035.9
10°	9109.4
12.5°	6931.2
15°	5061.2
17.5°	3602.8
20°	2572.9
22.5°	1853.1
25°	1372.0
27.5°	1029.9
30°	823.2
32.5°	652.1
35°	548.8
37.5°	462.3
40°	394.7
42.5°	343.9
45°	291.3
47.5°	257.5
50°	206.7
52.5°	171.0
55°	137.2
57.5°	103.4
60°	69.5
62.5°	50.7
65°	33.8
67.5°	33.8
70°	16.9
72.5°	16.9
75°	16.9
77.5°	16.9
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)