

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: P247008

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P247008
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 230-8LED2710-12-BK-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK, DIFFUSED LENS
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED
SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

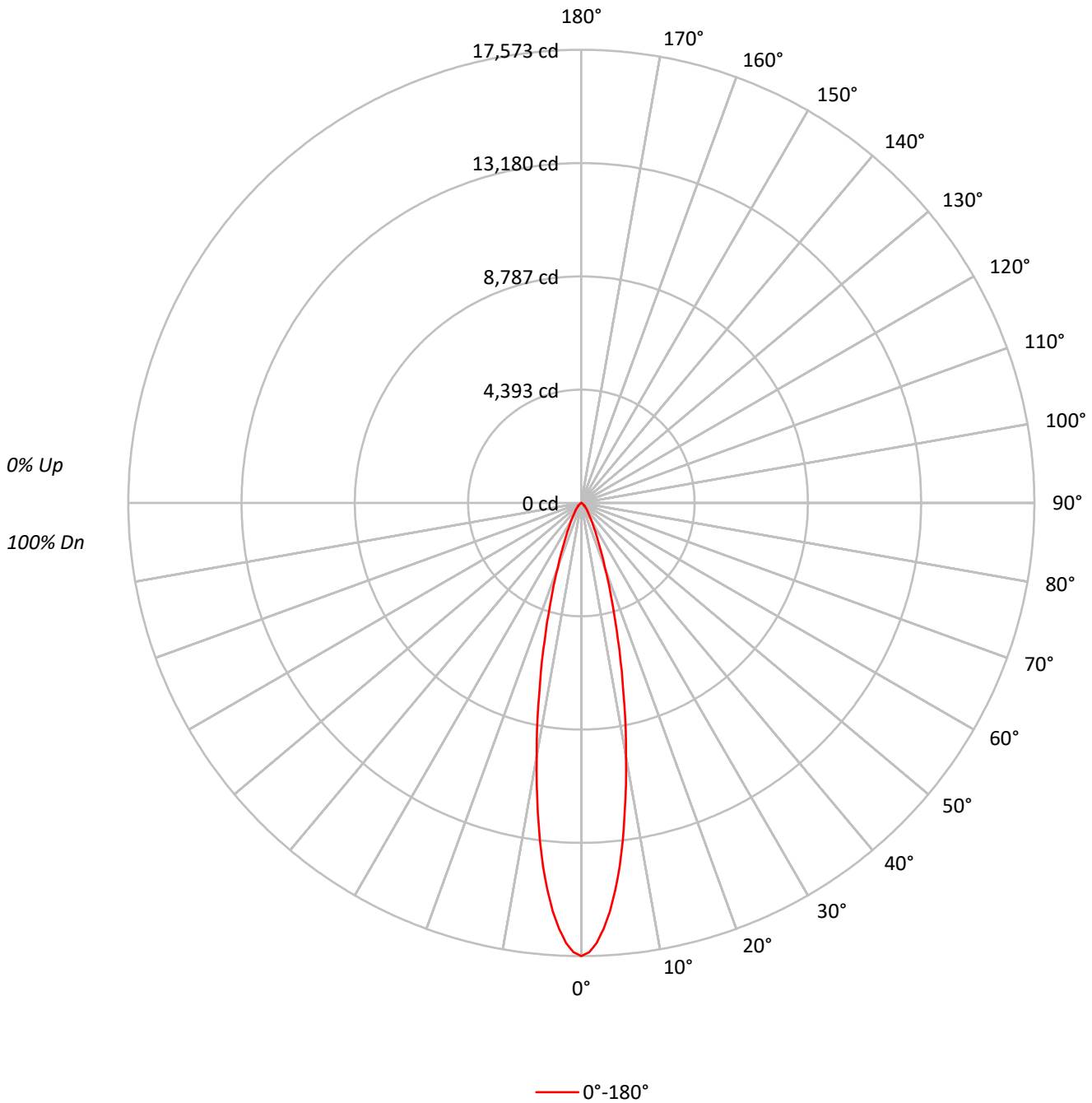
Lumens per Lamp: N/A
Luminaire Lumens: 4000.0 lumens
Efficiency: N/A
Efficacy: 500.0 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P247008
CATALOG NUMBER: 230-8LED2710-12-BK-DIFF

Luminous Intensity Polar Plot





TEST NUMBER: P247008
 CATALOG NUMBER: 230-8LED2710-12-BK-DIFF

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75
8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	72
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	74	71	70
10	84	77	72	70	83	77	72	69	76	72	69	75	72	69	75	71	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8670011
5°	7471110
10°	5002142
15°	2791180
20°	1410529
25°	741560
30°	433888
35°	273085
40°	198500
45°	138781
50°	97711
55°	63309
60°	17663
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P247008
 CATALOG NUMBER: 230-8LED2710-12-BK-DIFF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1271.1	31.8
10°-20°	1536.9	38.4
20°-30°	667.8	16.7
30°-40°	301.1	7.5
40°-50°	156.3	3.9
50°-60°	60.4	1.5
60°-70°	6.5	0.2
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°	3475.8	86.9
0°-40°	3776.8	94.4
0°-60°	3993.5	99.8
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°	17573	
5°	15085	###
15°	5464	1537
25°	1362	668
35°	453	301
45°	199	156
55°	74	60
65°	0	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P247008
CATALOG NUMBER: 230-8LED2710-12-BK-DIFF

CANDELA DISTRIBUTION (FULL):

	0°
0°	17572.7
1°	17427.6
2°	17063.7
3°	16536.7
4°	15884.5
5°	15085.1
6°	14178.3
7°	13180.1
8°	12108.2
9°	11054.3
10°	9984.5
12.5°	7532.6
15°	5464.5
17.5°	3847.8
20°	2686.5
22.5°	1907.0
25°	1362.2
27.5°	998.2
30°	761.6
32.5°	580.7
35°	453.4
37.5°	381.8
40°	308.2
42.5°	236.6
45°	198.9
47.5°	163.1
50°	127.3
52.5°	91.5
55°	73.6
57.5°	35.8
60°	17.9
62.5°	17.9
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)