

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: IRiS

Report Number: P106303

Luminaire Tested: **P3LED09SP15835-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P106303  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13664)  
Test Lab: PEACHTREE CITY  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: IRiS  
Catalog Number: P3LED09SP15835-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 15 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 3500K 80CRI LED  
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

**Summary**

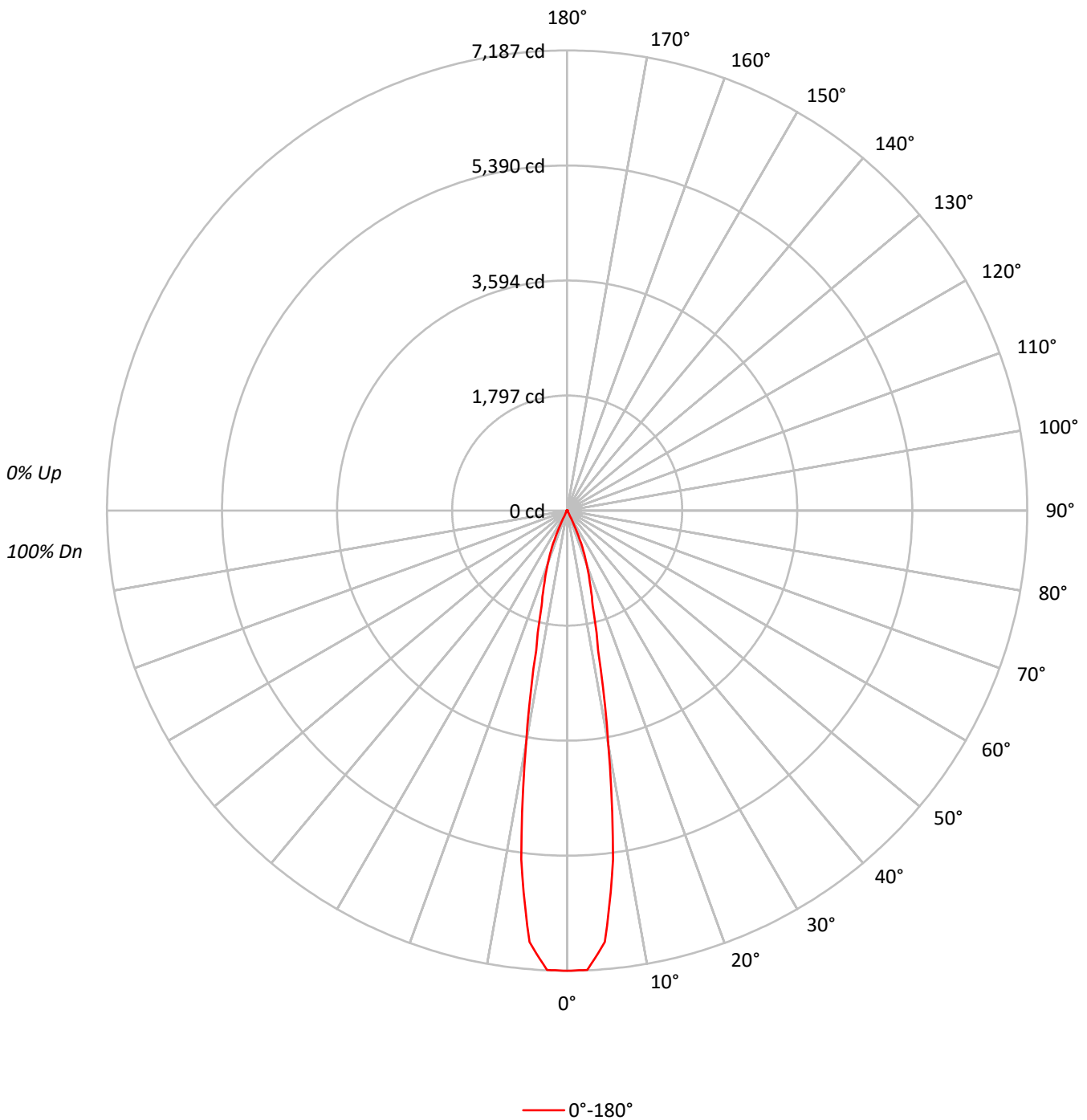
Lumens per Lamp: N/A  
Luminaire Lumens: 1201.5 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
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: P106303  
CATALOG NUMBER: P3LED09SP15835-E3MRC

### Luminous Intensity Polar Plot





TEST NUMBER: P106303

CATALOG NUMBER: P3LED09SP15835-E3MRC

**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	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	106	101	97	94	104	100	96	94	98	95	93	96	93	92	94	92	91	89
5	103	97	94	91	102	97	93	90	95	92	90	94	91	89	92	90	88	87
6	100	95	91	88	99	94	90	88	93	90	87	91	89	87	90	88	86	85
7	98	92	88	86	97	92	88	85	90	87	85	89	87	85	89	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	81
9	94	88	84	81	93	87	84	81	86	83	81	86	83	81	85	83	81	80
10	92	86	82	80	91	85	82	80	85	82	79	84	81	79	83	81	79	78

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1157901
5°	1093949
10°	602433
15°	257019
20°	151556
25°	52901
30°	7813
35°	708
40°	757
45°	0
50°	451
55°	0
60°	2030
65°	2059
70°	4616
75°	1681
80°	1670
85°	4991



TEST NUMBER: P106303

CATALOG NUMBER: P3LED09SP15835-E3MRC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.2	45.1
10°-20°	477.3	39.7
20°-30°	158.1	13.2
30°-40°	6.6	0.5
40°-50°	3.6	0.3
50°-60°	4.5	0.4
60°-70°	5.2	0.4
70°-80°	3.2	0.3
80°-90°	1.0	0.1
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°	1177.5	98.0
0°-40°	1184.1	98.5
0°-60°	1192.2	99.2
0°-90°	1201.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7187	
5°	6764	542
15°	1541	477
25°	298	158
35°	4	7
45°	0	4
55°	0	5
65°	5	5
75°	3	3
85°	3	1
90°	0	



TEST NUMBER: P106303

CATALOG NUMBER: P3LED09SP15835-E3MRC

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7187.3
2.5°	7180.2
5°	6764.5
7.5°	5491.7
10°	3682.6
12.5°	2239.9
15°	1541.0
17.5°	1185.2
20°	884.0
22.5°	620.3
25°	297.6
27.5°	93.9
30°	42.0
32.5°	15.2
35°	3.6
37.5°	2.7
40°	3.6
42.5°	8.9
45°	0.0
47.5°	7.2
50°	1.8
52.5°	9.8
55°	0.0
57.5°	6.3
60°	6.3
62.5°	0.9
65°	5.4
67.5°	6.3
70°	9.8
72.5°	0.9
75°	2.7
77.5°	2.7
80°	1.8
82.5°	0.0
85°	2.7
87.5°	0.0
90°	0.0

(END OF REPORT)