

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: P106302

Luminaire Tested: **P3LED09SP15830-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P106302  
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: P3LED09SP15830-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 15 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 3000K 80CRI LED  
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

**Summary**

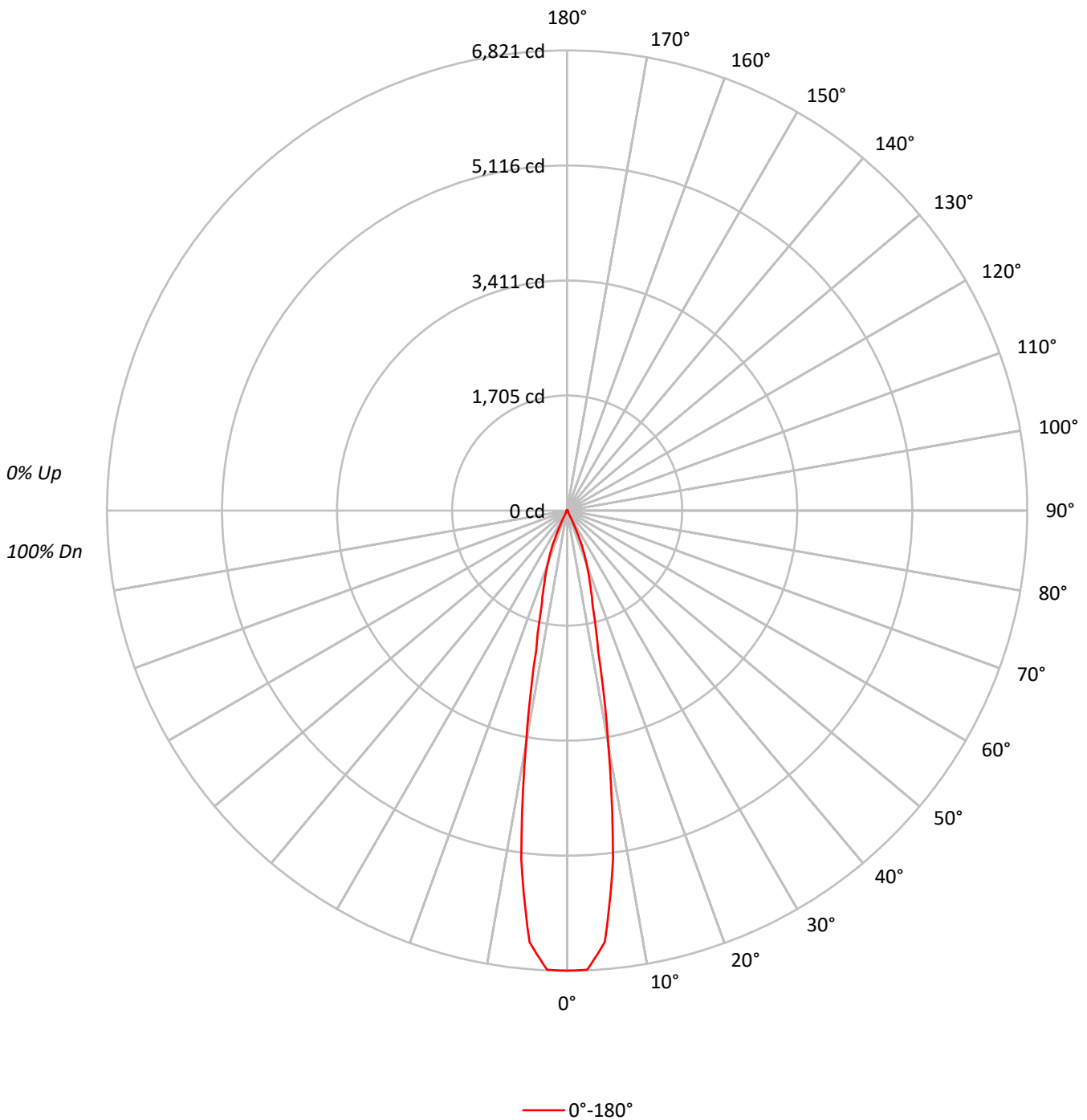
Lumens per Lamp: N/A  
Luminaire Lumens: 1140.1 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	1098825
5°	1038140
10°	571695
15°	243893
20°	143824
25°	50217
30°	7422
35°	669
40°	715
45°	0
50°	426
55°	0
60°	1901
65°	1944
70°	4381
75°	1556
80°	1577
85°	4621



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	514.5	45.1
10°-20°	452.9	39.7
20°-30°	150.0	13.2
30°-40°	6.2	0.5
40°-50°	3.4	0.3
50°-60°	4.3	0.4
60°-70°	4.9	0.4
70°-80°	3.0	0.3
80°-90°	0.9	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°	1117.5	98.0
0°-40°	1123.7	98.6
0°-60°	1131.3	99.2
0°-90°	1140.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1140.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6821	
5°	6419	514
15°	1462	453
25°	282	150
35°	3	6
45°	0	3
55°	0	4
65°	5	5
75°	2	3
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6820.6
2.5°	6813.8
5°	6419.4
7.5°	5211.5
10°	3494.7
12.5°	2125.7
15°	1462.3
17.5°	1124.7
20°	838.9
22.5°	588.7
25°	282.5
27.5°	89.1
30°	39.9
32.5°	14.4
35°	3.4
37.5°	2.5
40°	3.4
42.5°	8.5
45°	0.0
47.5°	6.8
50°	1.7
52.5°	9.3
55°	0.0
57.5°	5.9
60°	5.9
62.5°	0.8
65°	5.1
67.5°	5.9
70°	9.3
72.5°	0.8
75°	2.5
77.5°	2.5
80°	1.7
82.5°	0.0
85°	2.5
87.5°	0.0
90°	0.0

(END OF REPORT)