

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: P106254

Luminaire Tested: **P3LED09FL40830-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P106254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13660)  
Test Lab: PEACHTREE CITY  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: IRiS  
Catalog Number: P3LED09FL40830-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 40 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: 966.3 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.62  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

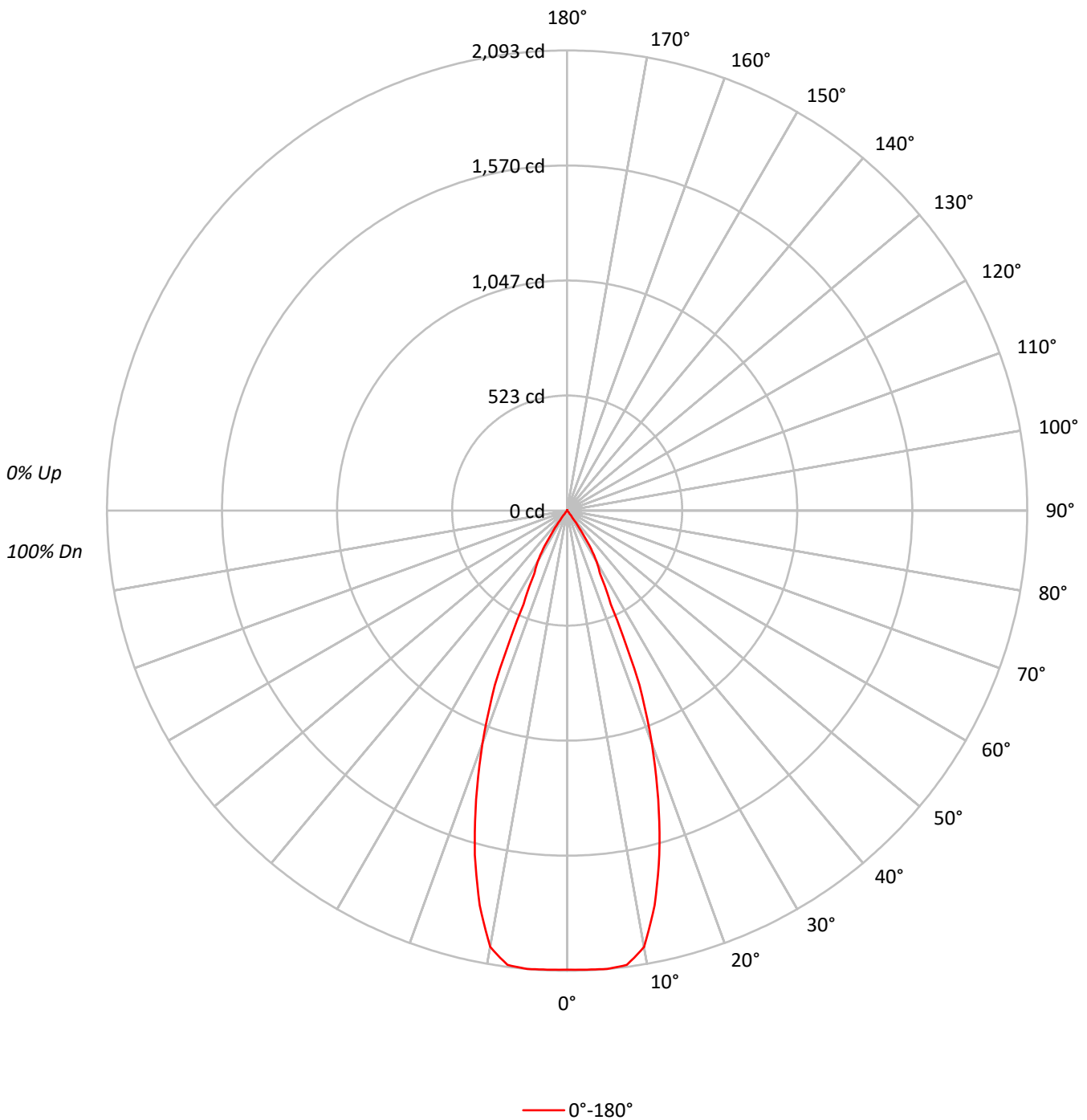
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	98	92	87	84	97	91	87	83	89	85	83	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	69	76	72	69	75	71	69	68
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

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

	0°
0°	336433
5°	338414
10°	329697
15°	270362
20°	192976
25°	83386
30°	49706
35°	18841
40°	168
45°	0
50°	201
55°	0
60°	0
65°	305
70°	377
75°	498
80°	742
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.8	20.5
10°-20°	441.0	45.6
20°-30°	259.1	26.8
30°-40°	66.6	6.9
40°-50°	0.5	0.0
50°-60°	0.3	0.0
60°-70°	0.3	0.0
70°-80°	0.4	0.0
80°-90°	0.3	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°	897.9	92.9
0°-40°	964.5	99.8
0°-60°	965.2	99.9
0°-90°	966.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2088	
5°	2093	198
15°	1621	441
25°	469	259
35°	96	67
45°	0	0
55°	0	0
65°	1	0
75°	1	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2088.3
2.5°	2090.0
5°	2092.6
7.5°	2084.1
10°	2015.4
12.5°	1838.1
15°	1621.0
17.5°	1376.7
20°	1125.6
22.5°	859.3
25°	469.1
27.5°	324.9
30°	267.2
32.5°	190.0
35°	95.8
37.5°	27.1
40°	0.8
42.5°	0.8
45°	0.0
47.5°	0.8
50°	0.8
52.5°	0.0
55°	0.0
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.8
67.5°	0.0
70°	0.8
72.5°	0.0
75°	0.8
77.5°	0.0
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)