

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: P108686

Luminaire Tested: **PN3LED12FL40840-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P108686  
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: PN3LED12FL40840-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 40 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 4000K 80CRI LED  
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

**Summary**

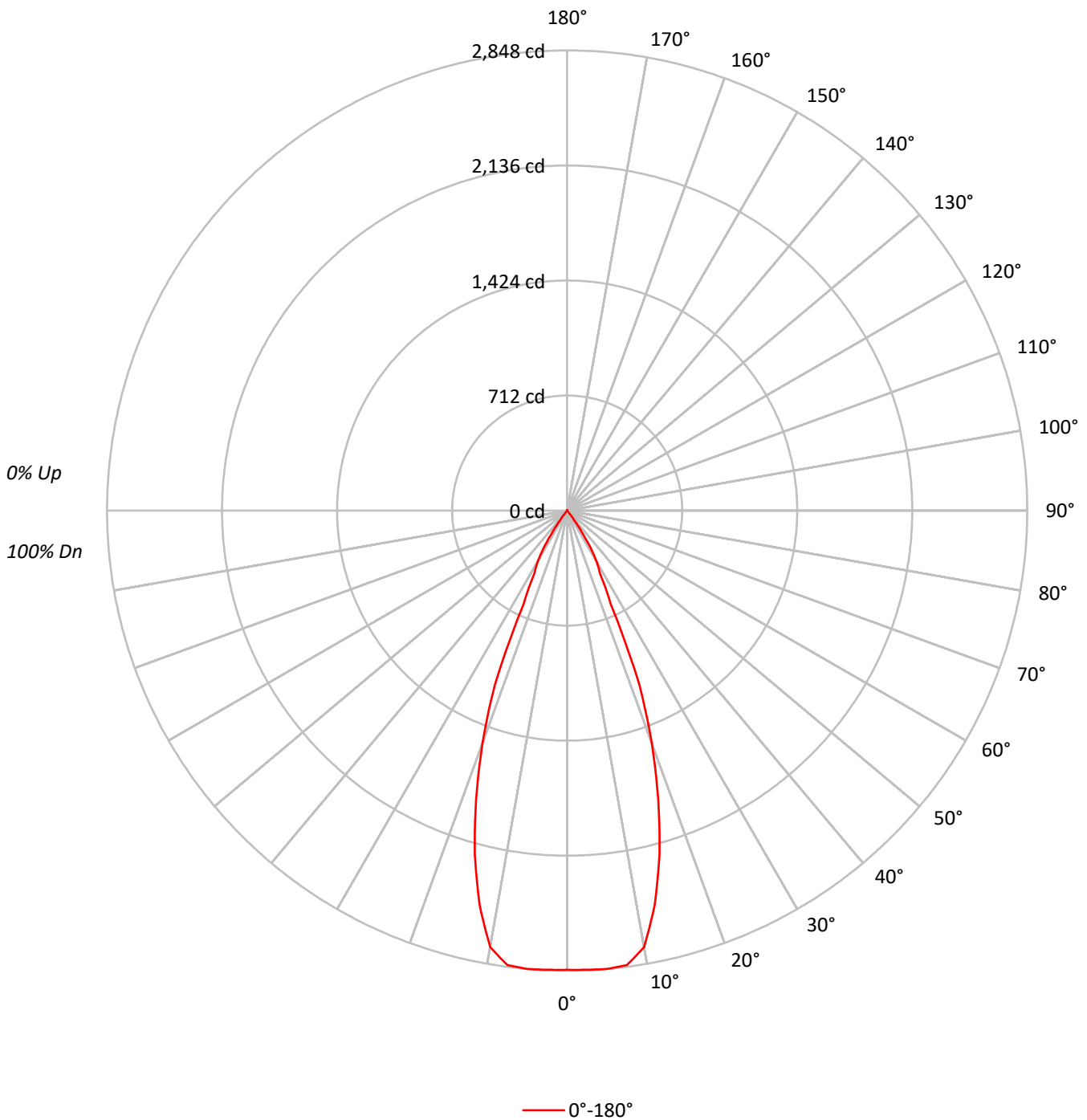
Lumens per Lamp: N/A  
Luminaire Lumens: 1315.4 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.62  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.6  
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		98	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°	457905
5°	460592
10°	448725
15°	367965
20°	262651
25°	113481
30°	67658
35°	25666
40°	252
45°	0
50°	301
55°	0
60°	0
65°	457
70°	565
75°	747
80°	1113
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.2	20.5
10°-20°	600.2	45.6
20°-30°	352.6	26.8
30°-40°	90.7	6.9
40°-50°	0.7	0.1
50°-60°	0.4	0.0
60°-70°	0.5	0.0
70°-80°	0.6	0.0
80°-90°	0.5	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°	1222.0	92.9
0°-40°	1312.7	99.8
0°-60°	1313.8	99.9
0°-90°	1315.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2842	
5°	2848	269
15°	2206	600
25°	638	353
35°	130	91
45°	0	1
55°	0	0
65°	1	0
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2842.3
2.5°	2844.6
5°	2848.1
7.5°	2836.6
10°	2743.0
12.5°	2501.8
15°	2206.2
17.5°	1873.7
20°	1532.0
22.5°	1169.5
25°	638.4
27.5°	442.2
30°	363.7
32.5°	258.6
35°	130.5
37.5°	36.9
40°	1.2
42.5°	1.2
45°	0.0
47.5°	1.2
50°	1.2
52.5°	0.0
55°	0.0
57.5°	1.2
60°	0.0
62.5°	0.0
65°	1.2
67.5°	0.0
70°	1.2
72.5°	0.0
75°	1.2
77.5°	0.0
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)