

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: P108684

Luminaire Tested: **PN3LED12FL40830-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P108684
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: PN3LED12FL40830-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) 450mA ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1135.8 lumens
Efficiency: N/A
Efficacy: 61.1 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

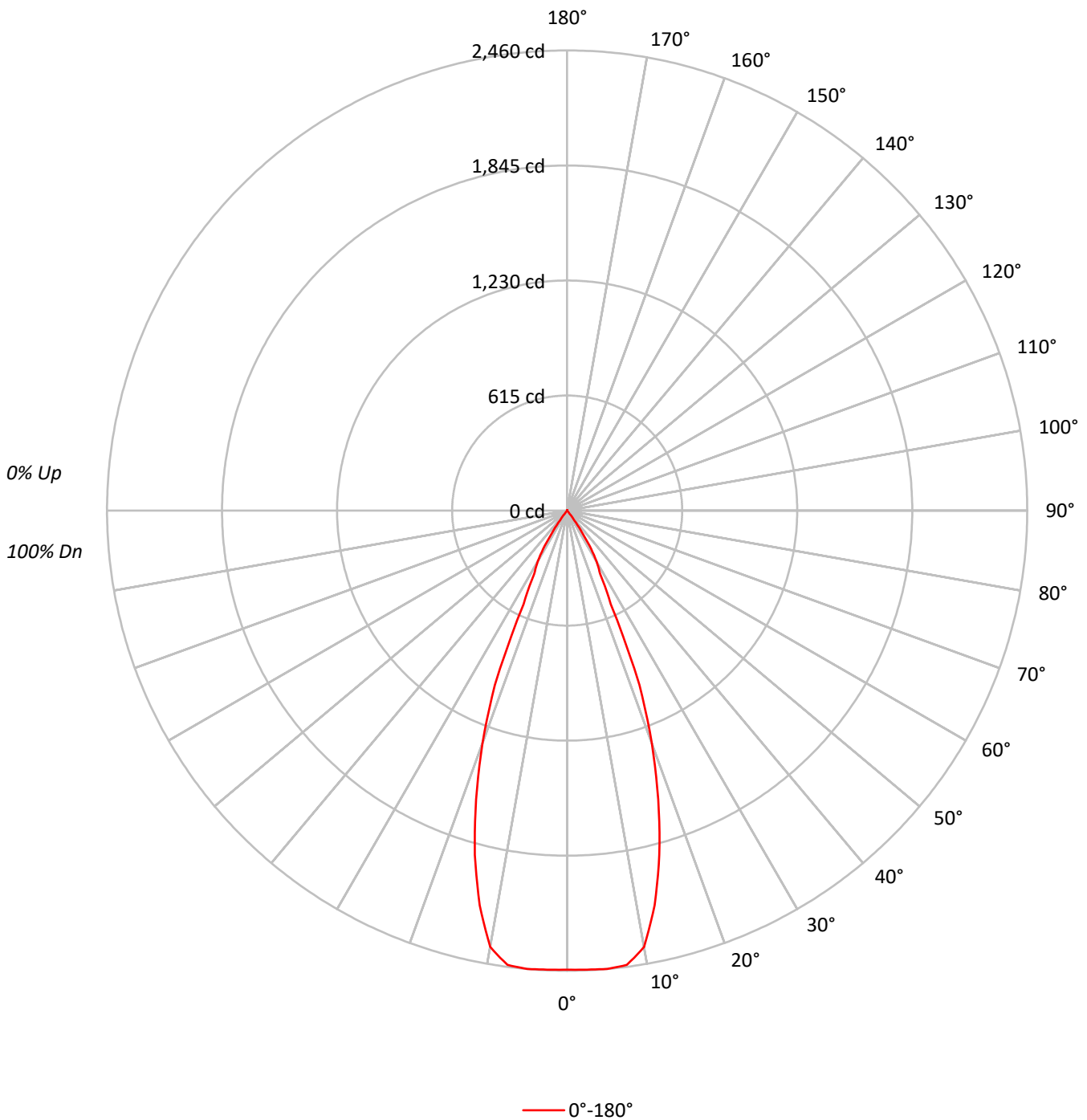
Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	395445
5°	397748
10°	387510
15°	317762
20°	226819
25°	97998
30°	58412
35°	22165
40°	210
45°	0
50°	251
55°	0
60°	0
65°	381
70°	471
75°	622
80°	928
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	20.5
10°-20°	518.3	45.6
20°-30°	304.5	26.8
30°-40°	78.3	6.9
40°-50°	0.6	0.1
50°-60°	0.3	0.0
60°-70°	0.4	0.0
70°-80°	0.5	0.0
80°-90°	0.4	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°	1055.3	92.9
0°-40°	1133.6	99.8
0°-60°	1134.5	99.9
0°-90°	1135.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2455	
5°	2460	232
15°	1905	518
25°	551	305
35°	113	78
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°	2454.6
2.5°	2456.5
5°	2459.5
7.5°	2449.6
10°	2368.8
12.5°	2160.4
15°	1905.2
17.5°	1618.1
20°	1323.0
22.5°	1009.9
25°	551.3
27.5°	381.8
30°	314.0
32.5°	223.3
35°	112.7
37.5°	31.9
40°	1.0
42.5°	1.0
45°	0.0
47.5°	1.0
50°	1.0
52.5°	0.0
55°	0.0
57.5°	1.0
60°	0.0
62.5°	0.0
65°	1.0
67.5°	0.0
70°	1.0
72.5°	0.0
75°	1.0
77.5°	0.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)