

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: P108704

Luminaire Tested: **PN3LED12NFL25840-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P108704  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13663)  
Test Lab: PEACHTREE CITY  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: IRiS  
Catalog Number: PN3LED12NFL25840-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 25 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 4000K 80CRI LED  
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

**Summary**

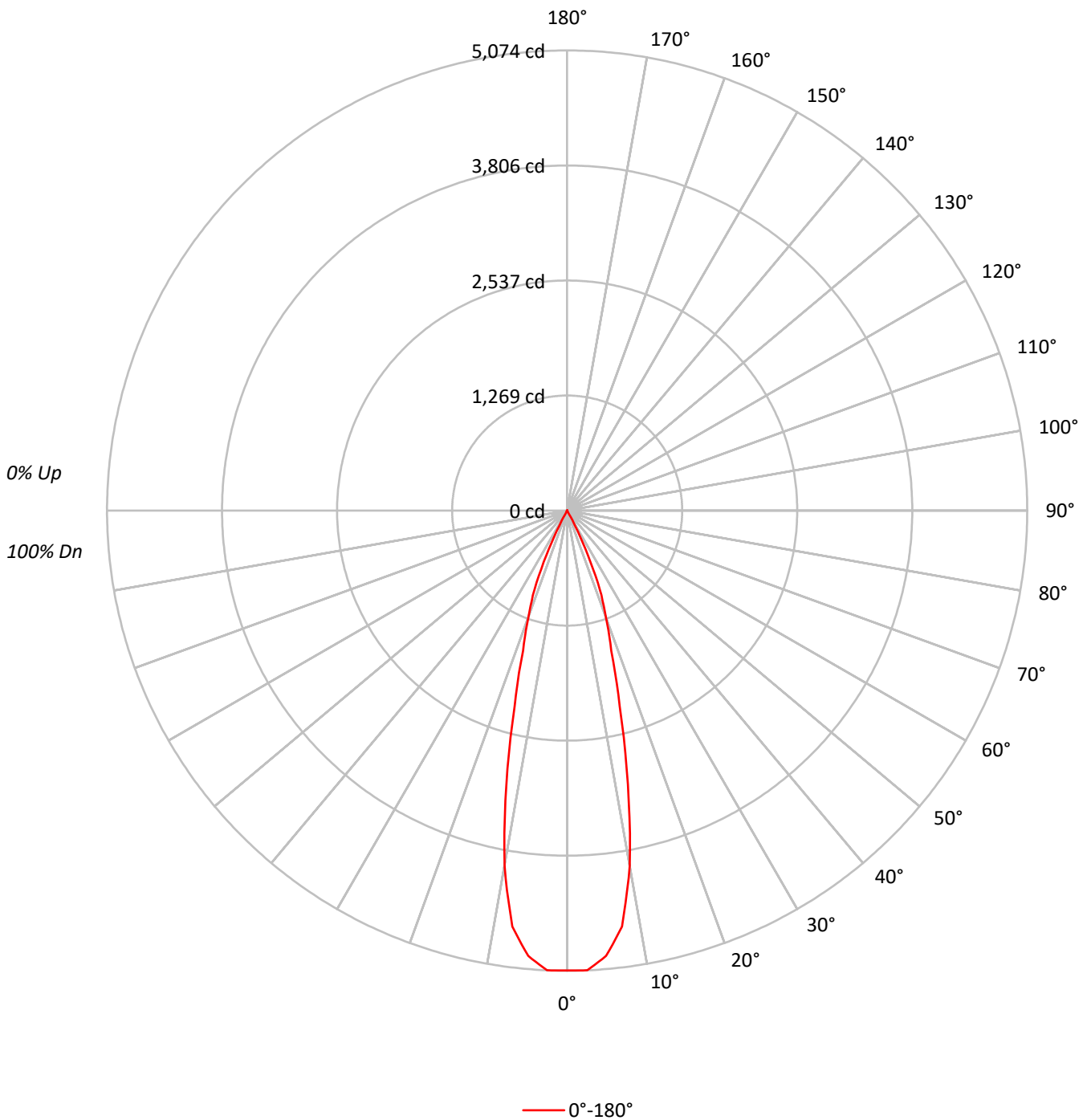
Lumens per Lamp: N/A  
Luminaire Lumens: 1334.5 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.47  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.5  
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



TEST NUMBER: P108704  
CATALOG NUMBER: PN3LED12NFL25840-E3MRC

### Luminous Intensity Polar Plot





TEST NUMBER: P108704

CATALOG NUMBER: PN3LED12NFL25840-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	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88		92	89	87		91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85		89	87	84		88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86	83	81	80
8	93	87	83	80	92	86	83	80	86	82	80		85	82	79		84	81	79	78
9	91	84	80	78	90	84	80	78	83	80	77		82	79	77		82	79	77	76
10	89	82	78	75	88	82	78	75	81	78	75		80	77	75		80	77	75	74

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

	0°
0°	816877
5°	797211
10°	650627
15°	372785
20°	213361
25°	96043
30°	3014
35°	1809
40°	967
45°	273
50°	0
55°	0
60°	0
65°	457
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P108704

CATALOG NUMBER: PN3LED12NFL25840-E3MRC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	442.0	33.1
10°-20°	636.7	47.7
20°-30°	248.6	18.6
30°-40°	5.3	0.4
40°-50°	1.1	0.1
50°-60°	0.5	0.0
60°-70°	0.3	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1327.3	99.5
0°-40°	1332.6	99.9
0°-60°	1334.2	100.0
0°-90°	1334.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1334.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5070	
5°	4930	442
15°	2235	637
25°	540	249
35°	9	5
45°	1	1
55°	0	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P108704

CATALOG NUMBER: PN3LED12NFL25840-E3MRC

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5070.5
2.5°	5073.9
5°	4929.6
7.5°	4627.2
10°	3977.2
12.5°	3094.0
15°	2235.1
17.5°	1618.6
20°	1244.5
22.5°	946.7
25°	540.3
27.5°	188.2
30°	16.2
32.5°	9.2
35°	9.2
37.5°	5.8
40°	4.6
42.5°	2.3
45°	1.2
47.5°	0.0
50°	0.0
52.5°	1.2
55°	0.0
57.5°	1.2
60°	0.0
62.5°	0.0
65°	1.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)