

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: P108703

Luminaire Tested: **PN3LED12NFL25835-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P108703  
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: PN3LED12NFL25835-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 25 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 3500K 80CRI LED  
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

**Summary**

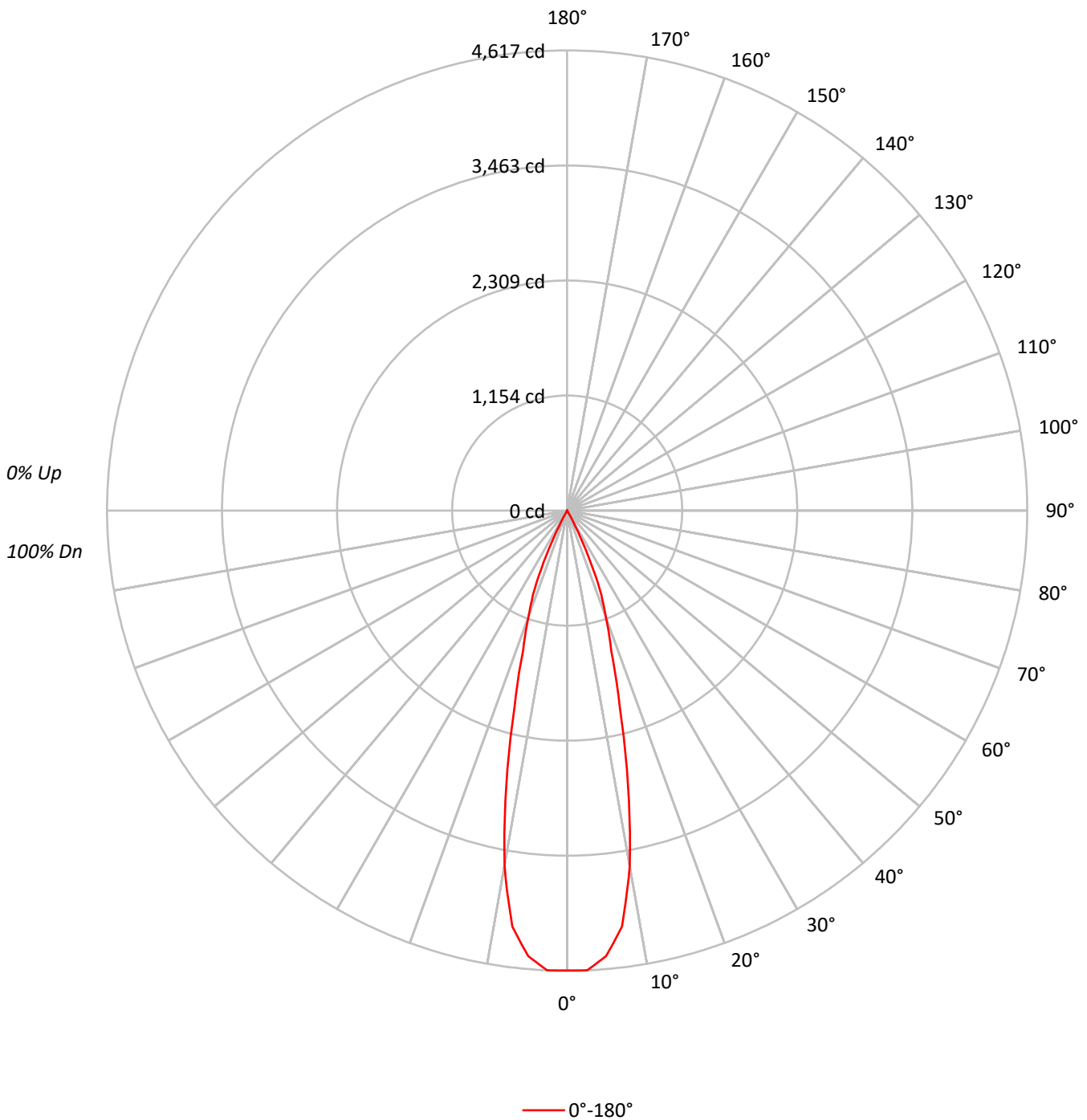
Lumens per Lamp: N/A  
Luminaire Lumens: 1214.4 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.47  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

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



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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	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°	743349
5°	725472
10°	592062
15°	339228
20°	194159
25°	87404
30°	2735
35°	1652
40°	883
45°	251
50°	0
55°	0
60°	0
65°	419
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.2	33.1
10°-20°	579.4	47.7
20°-30°	226.2	18.6
30°-40°	4.8	0.4
40°-50°	1.0	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°	1207.8	99.5
0°-40°	1212.7	99.9
0°-60°	1214.1	100.0
0°-90°	1214.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4614	
5°	4486	402
15°	2034	579
25°	492	226
35°	8	5
45°	1	1
55°	0	0
65°	1	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4614.1
2.5°	4617.3
5°	4486.0
7.5°	4210.7
10°	3619.2
12.5°	2815.6
15°	2033.9
17.5°	1472.9
20°	1132.5
22.5°	861.5
25°	491.7
27.5°	171.2
30°	14.7
32.5°	8.4
35°	8.4
37.5°	5.3
40°	4.2
42.5°	2.1
45°	1.1
47.5°	0.0
50°	0.0
52.5°	1.1
55°	0.0
57.5°	1.1
60°	0.0
62.5°	0.0
65°	1.1
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)