

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: P106289

Luminaire Tested: **P3LED09NFL25827-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P106289  
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: P3LED09NFL25827-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 25 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 2700K 80CRI LED  
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

**Summary**

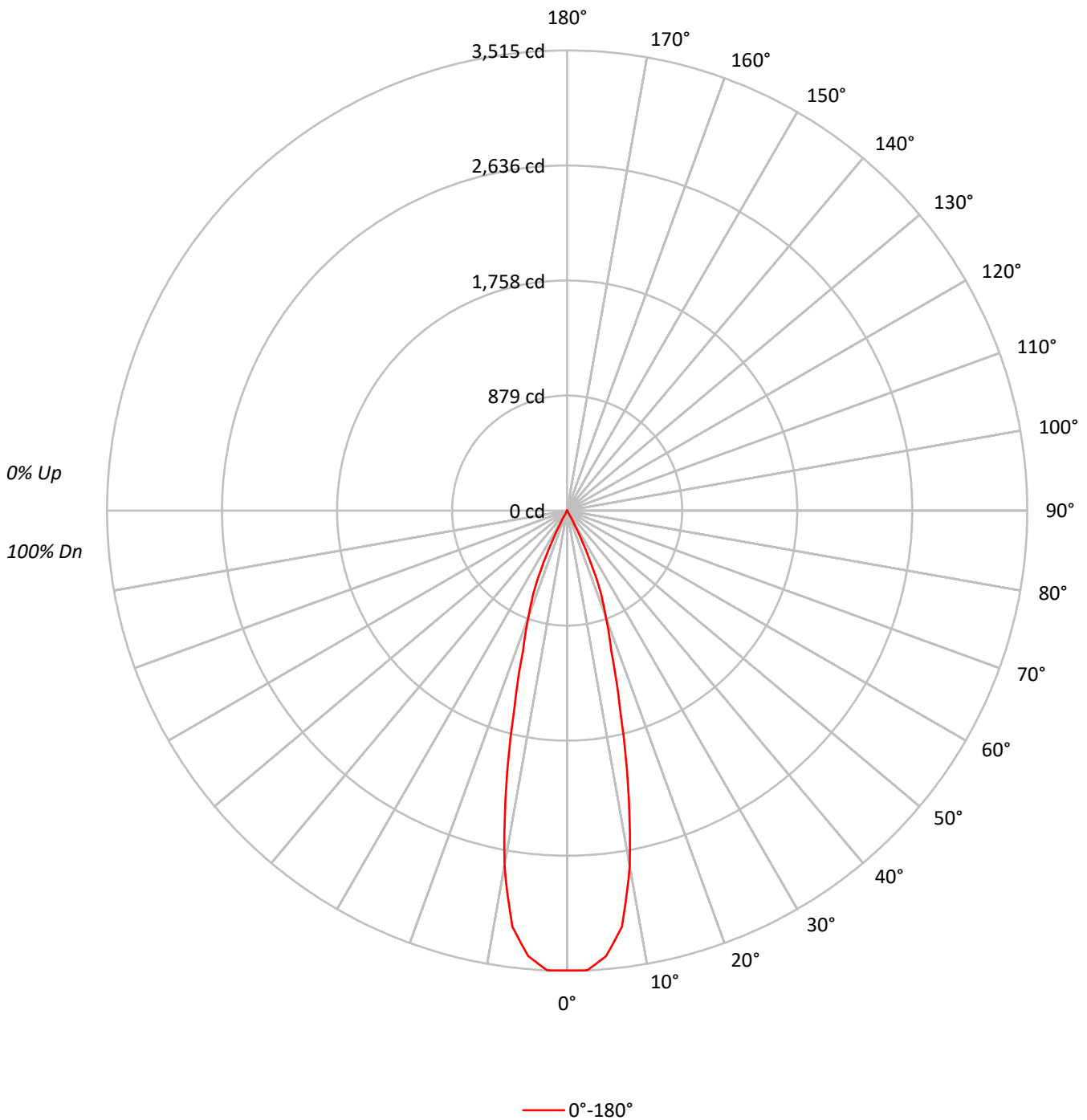
Lumens per Lamp: N/A  
Luminaire Lumens: 924.5 lumens  
Efficiency: N/A  
Efficacy: 64.7 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.47  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
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°	565925
5°	552303
10°	450753
15°	258253
20°	147818
25°	66535
30°	2083
35°	1259
40°	673
45°	182
50°	0
55°	0
60°	0
65°	305
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.2	33.1
10°-20°	441.1	47.7
20°-30°	172.2	18.6
30°-40°	3.7	0.4
40°-50°	0.7	0.1
50°-60°	0.4	0.0
60°-70°	0.2	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°	919.5	99.5
0°-40°	923.2	99.9
0°-60°	924.3	100.0
0°-90°	924.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3513	
5°	3415	306
15°	1548	441
25°	374	172
35°	6	4
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°	3512.8
2.5°	3515.2
5°	3415.2
7.5°	3205.7
10°	2755.4
12.5°	2143.5
15°	1548.4
17.5°	1121.3
20°	862.2
22.5°	655.9
25°	374.3
27.5°	130.4
30°	11.2
32.5°	6.4
35°	6.4
37.5°	4.0
40°	3.2
42.5°	1.6
45°	0.8
47.5°	0.0
50°	0.0
52.5°	0.8
55°	0.0
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.8
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)