

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: P108717

Luminaire Tested: **PN3LED12NSP10927-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P108717  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13665)  
Test Lab: PEACHTREE CITY  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: IRiS  
Catalog Number: PN3LED12NSP10927-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 10 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 2700K 90CRI LED  
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

**Summary**

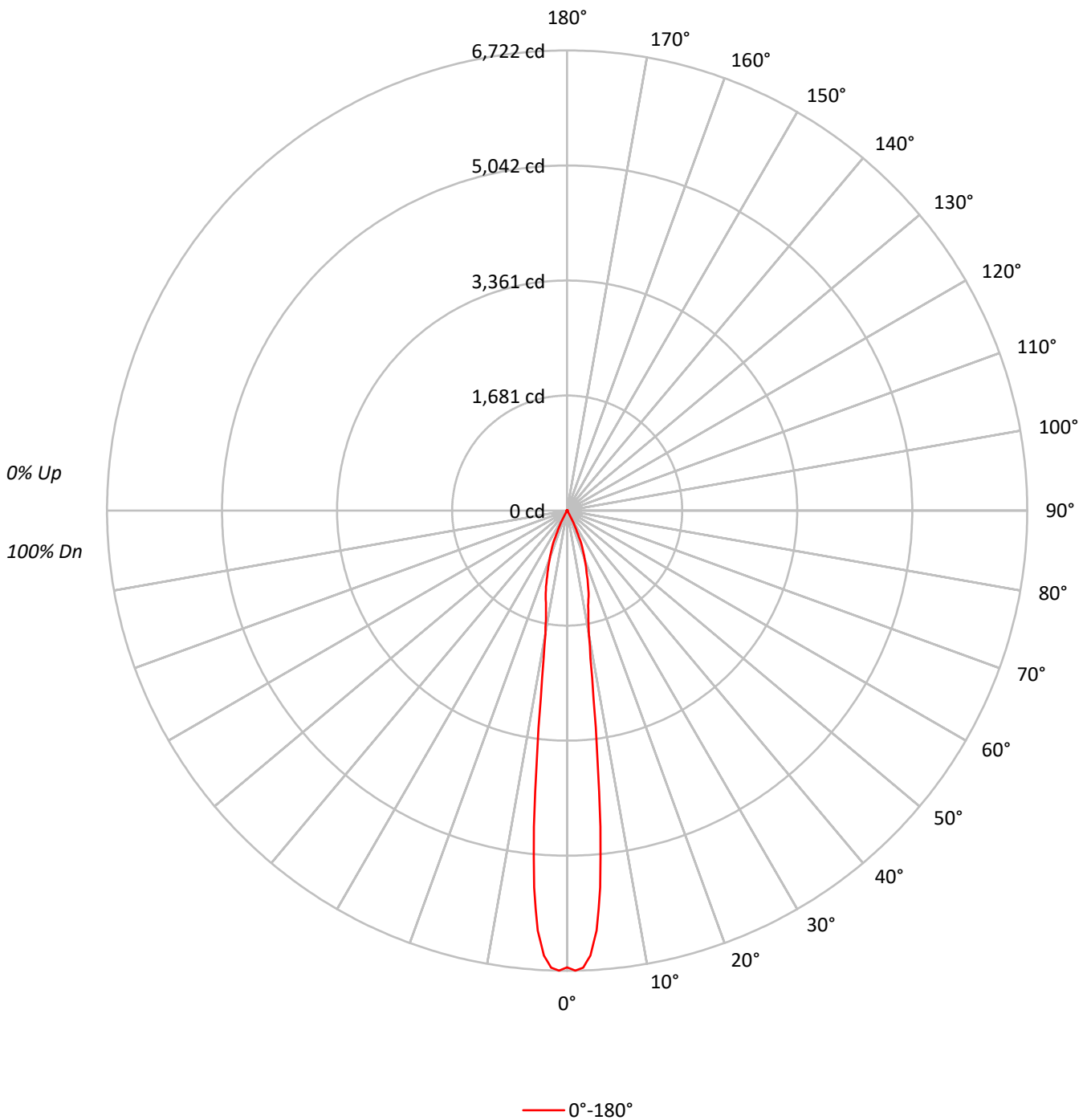
Lumens per Lamp: N/A  
Luminaire Lumens: 882.0 lumens  
Efficiency: N/A  
Efficacy: 47.7 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

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	107	107	107	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	107	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80
9	93	86	82	80	92	86	82	80	85	82	80	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76

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

	0°
0°	936486
5°	778521
10°	261410
15°	174683
20°	111218
25°	52106
30°	3986
35°	1199
40°	128
45°	0
50°	0
55°	0
60°	2161
65°	232
70°	287
75°	2277
80°	0
85°	11272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.8	42.7
10°-20°	328.3	37.2
20°-30°	162.5	18.4
30°-40°	4.2	0.5
40°-50°	1.1	0.1
50°-60°	3.4	0.4
60°-70°	1.4	0.2
70°-80°	2.1	0.2
80°-90°	3.4	0.4
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°	867.5	98.4
0°-40°	871.8	98.8
0°-60°	876.3	99.4
0°-90°	883.2	100.1
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	882.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6673	
5°	5526	377
15°	1202	328
25°	336	162
35°	7	4
45°	0	1
55°	0	3
65°	1	1
75°	4	2
85°	7	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6673.0
1°	6721.6
2°	6681.4
3°	6508.3
4°	6150.7
5°	5526.3
6°	4644.3
7°	3625.8
8°	2767.0
9°	2182.8
10°	1834.4
11°	1626.7
12.5°	1421.9
15°	1202.3
17.5°	948.9
20°	744.7
22.5°	577.2
25°	336.5
27.5°	192.2
30°	24.6
32.5°	3.5
35°	7.0
37.5°	4.9
40°	0.7
42.5°	2.8
45°	0.0
47.5°	2.8
50°	0.0
52.5°	0.0
55°	0.0
57.5°	5.6
60°	7.7
62.5°	0.0
65°	0.7
67.5°	0.7
70°	0.7
72.5°	2.8
75°	4.2
77.5°	0.7
80°	0.0
82.5°	3.5
85°	7.0
87.5°	2.1
90°	0.0

(END OF REPORT)