

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: P108714

Luminaire Tested: **PN3LED12NSP10830-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P108714  
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: PN3LED12NSP10830-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 10 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 3000K 80CRI LED  
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

**Summary**

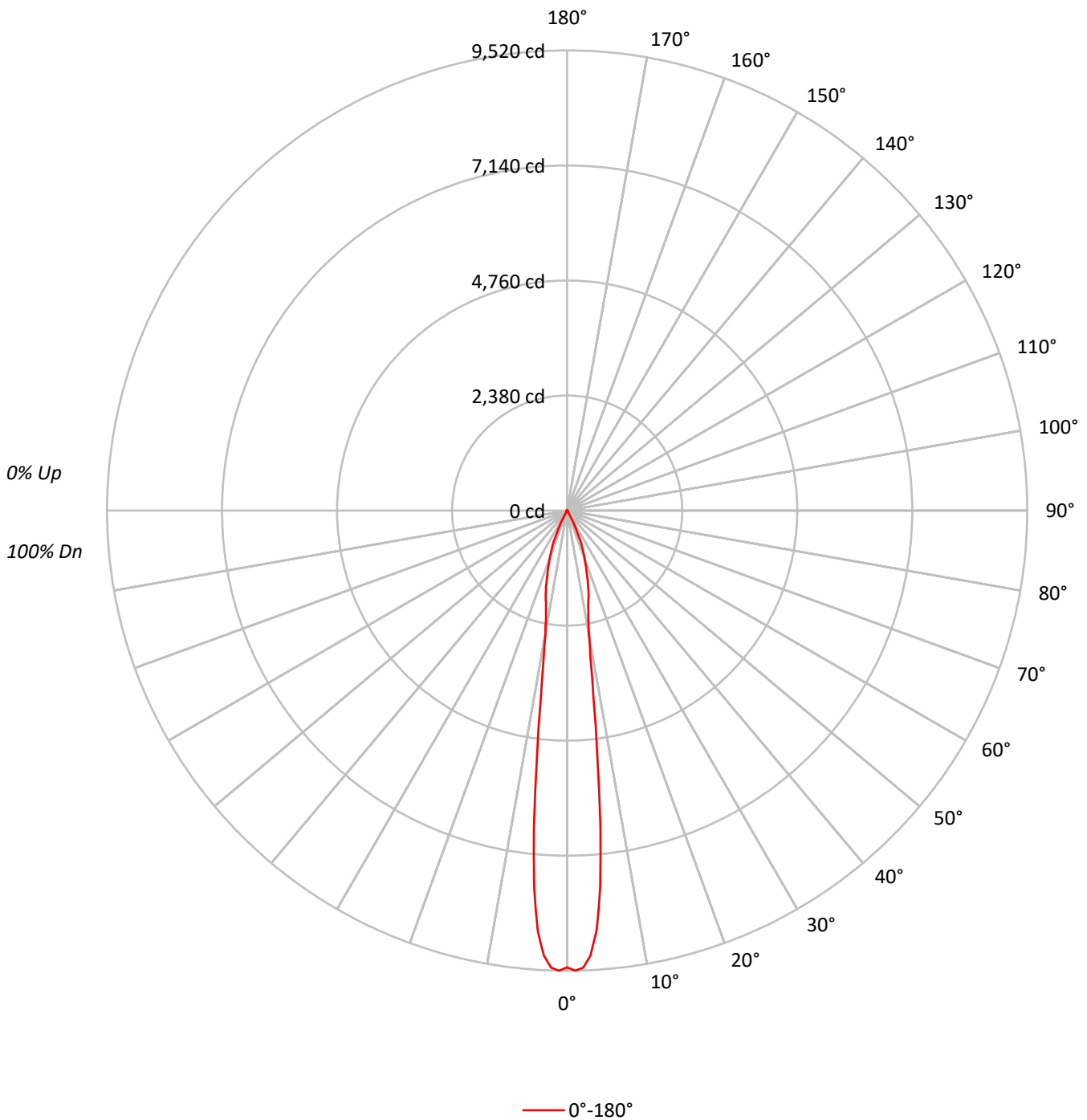
Lumens per Lamp: N/A  
Luminaire Lumens: 1249.4 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

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	79		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°	1326392
5°	1102662
10°	370241
15°	247400
20°	157530
25°	73800
30°	5656
35°	1713
40°	183
45°	0
50°	0
55°	0
60°	3087
65°	332
70°	410
75°	3253
80°	0
85°	16102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.7	42.7
10°-20°	464.9	37.2
20°-30°	230.1	18.4
30°-40°	6.0	0.5
40°-50°	1.6	0.1
50°-60°	4.9	0.4
60°-70°	2.0	0.2
70°-80°	3.0	0.2
80°-90°	4.9	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°	1228.7	98.3
0°-40°	1234.7	98.8
0°-60°	1241.3	99.3
0°-90°	1251.2	100.1
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1249.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9451	
5°	7827	534
15°	1703	465
25°	477	230
35°	10	6
45°	0	2
55°	0	5
65°	1	2
75°	6	3
85°	10	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9451.3
1°	9520.1
2°	9463.3
3°	9218.0
4°	8711.6
5°	7827.2
6°	6578.0
7°	5135.4
8°	3919.1
9°	3091.6
10°	2598.1
11°	2304.0
12.5°	2013.9
15°	1702.8
17.5°	1343.9
20°	1054.8
22.5°	817.5
25°	476.6
27.5°	272.2
30°	34.9
32.5°	5.0
35°	10.0
37.5°	7.0
40°	1.0
42.5°	4.0
45°	0.0
47.5°	4.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	8.0
60°	11.0
62.5°	0.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	4.0
75°	6.0
77.5°	1.0
80°	0.0
82.5°	5.0
85°	10.0
87.5°	3.0
90°	0.0

(END OF REPORT)