

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: P108715

Luminaire Tested: **PN3LED12NSP10835-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P108715  
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: PN3LED12NSP10835-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 10 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 3500K 80CRI LED  
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

**Summary**

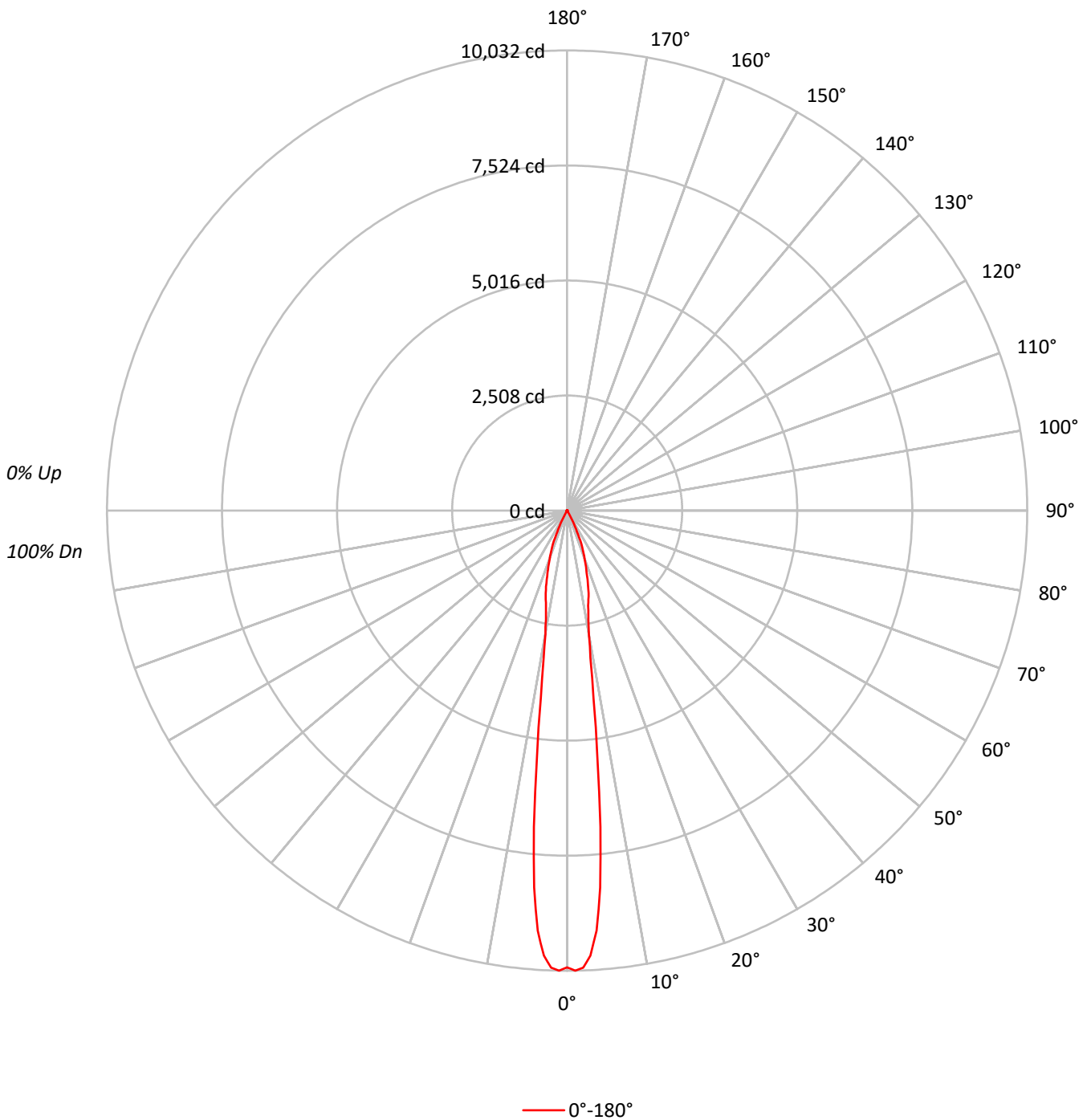
Lumens per Lamp: N/A  
Luminaire Lumens: 1316.7 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

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°	1397713
5°	1161957
10°	390149
15°	260709
20°	165998
25°	77764
30°	5963
35°	1799
40°	202
45°	0
50°	0
55°	0
60°	3256
65°	365
70°	451
75°	3416
80°	0
85°	16907



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.4	42.7
10°-20°	489.9	37.2
20°-30°	242.5	18.4
30°-40°	6.4	0.5
40°-50°	1.7	0.1
50°-60°	5.1	0.4
60°-70°	2.1	0.2
70°-80°	3.2	0.2
80°-90°	5.2	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°	1294.8	98.3
0°-40°	1301.2	98.8
0°-60°	1308.0	99.3
0°-90°	1318.5	100.1
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1316.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9960	
5°	8248	562
15°	1794	490
25°	502	242
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°	9959.5
1°	10032.0
2°	9972.1
3°	9713.7
4°	9180.0
5°	8248.1
6°	6931.7
7°	5411.5
8°	4129.8
9°	3257.8
10°	2737.8
11°	2427.9
12.5°	2122.2
15°	1794.4
17.5°	1416.2
20°	1111.5
22.5°	861.5
25°	502.2
27.5°	286.8
30°	36.8
32.5°	5.3
35°	10.5
37.5°	7.4
40°	1.1
42.5°	4.2
45°	0.0
47.5°	4.2
50°	0.0
52.5°	0.0
55°	0.0
57.5°	8.4
60°	11.6
62.5°	0.0
65°	1.1
67.5°	1.1
70°	1.1
72.5°	4.2
75°	6.3
77.5°	1.1
80°	0.0
82.5°	5.3
85°	10.5
87.5°	3.2
90°	0.0

(END OF REPORT)