

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: P108712

Luminaire Tested: **PN3LED12SP15930-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P108712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13664)
Test Lab: PEACHTREE CITY
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: IRiS
Catalog Number: PN3LED12SP15930-E3MRC
Description: IRIS 3 INCH LED FIXTURE WITH
SPECULAR CLEAR DOWNLIGHT REFLECTOR
AND 15 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE
Light Source: (1) 3000K 90CRI LED
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1064.1 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

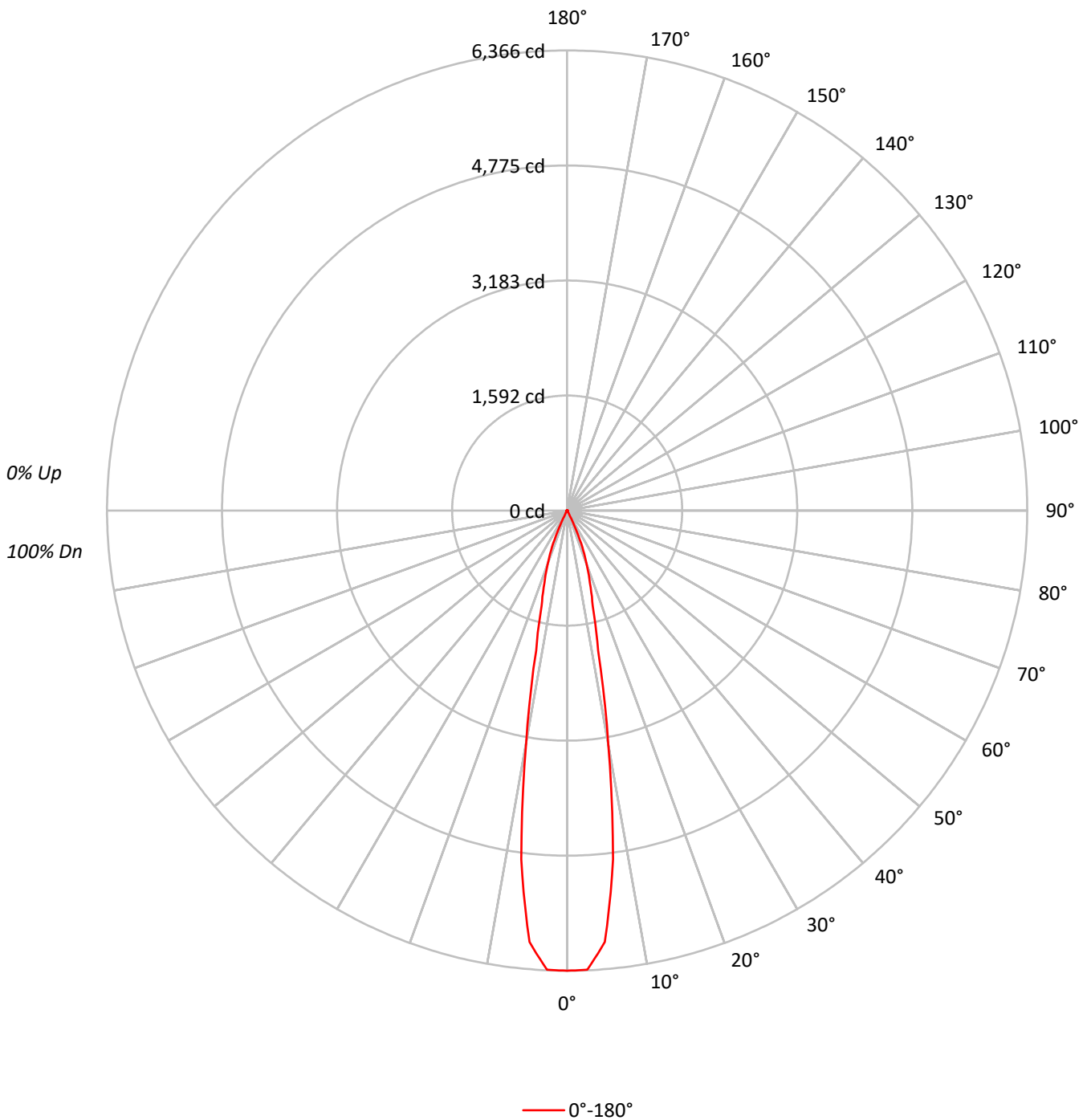
Input Watts (W): 18.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P108712

CATALOG NUMBER: PN3LED12SP15930-E3MRC

Luminous Intensity Polar Plot





TEST NUMBER: P108712

CATALOG NUMBER: PN3LED12SP15930-E3MRC

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1025522
5°	968892
10°	533562
15°	227631
20°	134223
25°	46857
30°	6920
35°	629
40°	673
45°	0
50°	401
55°	0
60°	1772
65°	1792
70°	4098
75°	1494
80°	1484
85°	4436



TEST NUMBER: P108712

CATALOG NUMBER: PN3LED12SP15930-E3MRC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.2	45.1
10°-20°	422.7	39.7
20°-30°	140.0	13.2
30°-40°	5.8	0.5
40°-50°	3.2	0.3
50°-60°	4.0	0.4
60°-70°	4.5	0.4
70°-80°	2.8	0.3
80°-90°	0.9	0.1
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°	1042.9	98.0
0°-40°	1048.7	98.6
0°-60°	1055.9	99.2
0°-90°	1064.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6366	
5°	5991	480
15°	1365	423
25°	264	140
35°	3	6
45°	0	3
55°	0	4
65°	5	5
75°	2	3
85°	2	1
90°	0	



TEST NUMBER: P108712

CATALOG NUMBER: PN3LED12SP15930-E3MRC

CANDELA DISTRIBUTION (FULL):

	0°
0°	6365.6
2.5°	6359.3
5°	5991.2
7.5°	4863.9
10°	3261.6
12.5°	1983.9
15°	1364.8
17.5°	1049.7
20°	782.9
22.5°	549.4
25°	263.6
27.5°	83.1
30°	37.2
32.5°	13.5
35°	3.2
37.5°	2.4
40°	3.2
42.5°	7.9
45°	0.0
47.5°	6.3
50°	1.6
52.5°	8.7
55°	0.0
57.5°	5.5
60°	5.5
62.5°	0.8
65°	4.7
67.5°	5.5
70°	8.7
72.5°	0.8
75°	2.4
77.5°	2.4
80°	1.6
82.5°	0.0
85°	2.4
87.5°	0.0
90°	0.0

(END OF REPORT)