

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: P108708

Luminaire Tested: **PN3LED12SP15830-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P108708
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: PN3LED12SP15830-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 80CRI LED
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1340.2 lumens
Efficiency: N/A
Efficacy: 72.4 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

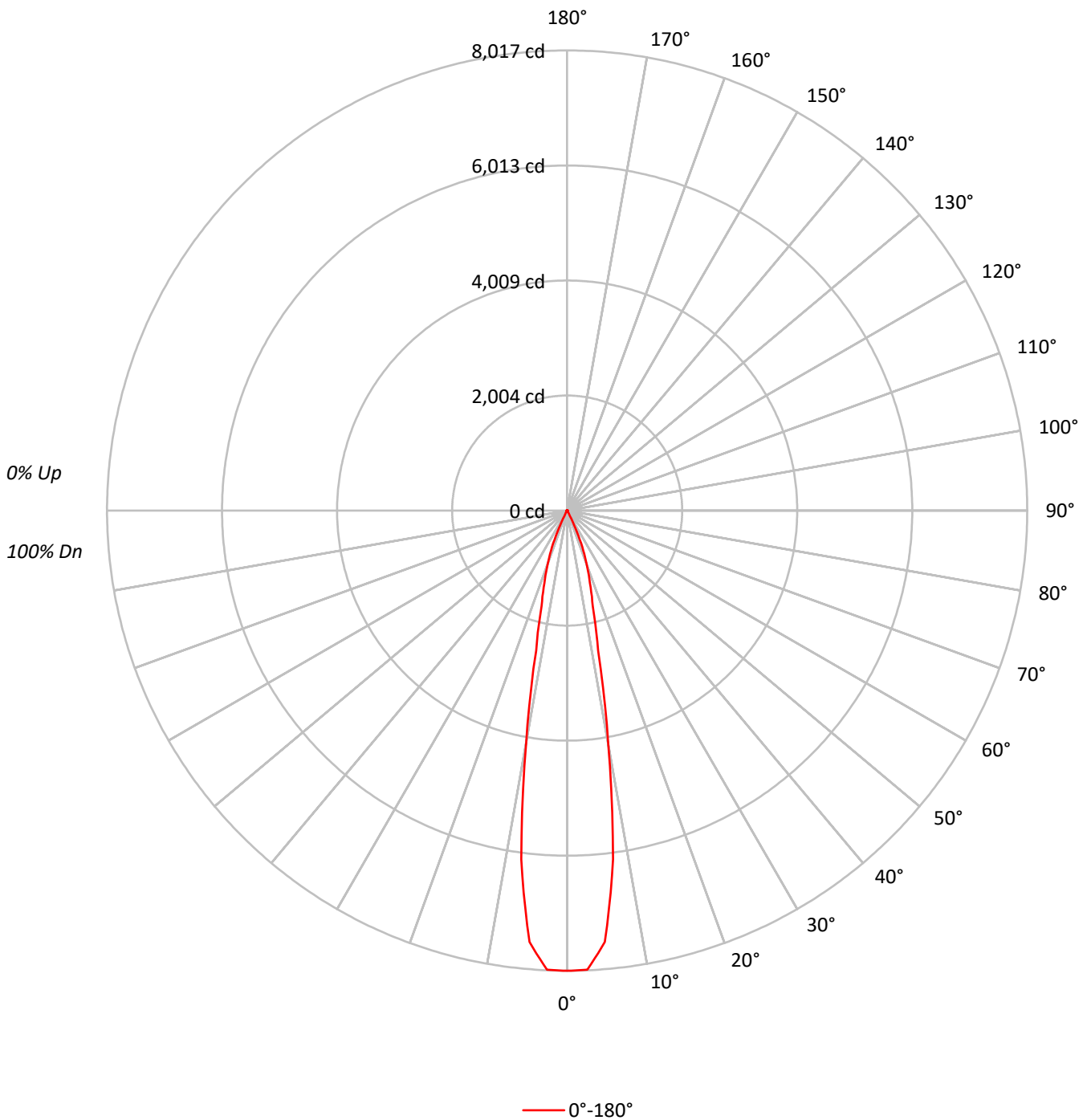
Input Watts (W): 18.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P108708

CATALOG NUMBER: PN3LED12SP15830-E3MRC

Luminous Intensity Polar Plot





TEST NUMBER: P108708

CATALOG NUMBER: PN3LED12SP15830-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°	1291521
5°	1220187
10°	671942
15°	286673
20°	169043
25°	59016
30°	8725
35°	787
40°	841
45°	0
50°	501
55°	0
60°	2255
65°	2287
70°	5181
75°	1867
80°	1856
85°	5545



TEST NUMBER: P108708

CATALOG NUMBER: PN3LED12SP15830-E3MRC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.7	45.1
10°-20°	532.4	39.7
20°-30°	176.3	13.2
30°-40°	7.3	0.5
40°-50°	4.0	0.3
50°-60°	5.0	0.4
60°-70°	5.8	0.4
70°-80°	3.6	0.3
80°-90°	1.1	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°	1313.4	98.0
0°-40°	1320.7	98.5
0°-60°	1329.8	99.2
0°-90°	1340.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1340.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8017	
5°	7545	605
15°	1719	532
25°	332	176
35°	4	7
45°	0	4
55°	0	5
65°	6	6
75°	3	4
85°	3	1
90°	0	



TEST NUMBER: P108708

CATALOG NUMBER: PN3LED12SP15830-E3MRC

CANDELA DISTRIBUTION (FULL):

0°	
0°	8016.7
2.5°	8008.7
5°	7545.1
7.5°	6125.4
10°	4107.5
12.5°	2498.4
15°	1718.8
17.5°	1322.0
20°	986.0
22.5°	691.9
25°	332.0
27.5°	104.7
30°	46.9
32.5°	16.9
35°	4.0
37.5°	3.0
40°	4.0
42.5°	10.0
45°	0.0
47.5°	8.0
50°	2.0
52.5°	11.0
55°	0.0
57.5°	7.0
60°	7.0
62.5°	1.0
65°	6.0
67.5°	7.0
70°	11.0
72.5°	1.0
75°	3.0
77.5°	3.0
80°	2.0
82.5°	0.0
85°	3.0
87.5°	0.0
90°	0.0

(END OF REPORT)