

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: P108709

Luminaire Tested: **PN3LED12SP15835-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P108709
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: PN3LED12SP15835-E3MRC
Description: IRIS 3 INCH LED FIXTURE WITH
SPECULAR CLEAR DOWNLIGHT REFLECTOR
AND 15 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE
Light Source: (1) 3500K 80CRI LED
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

Summary

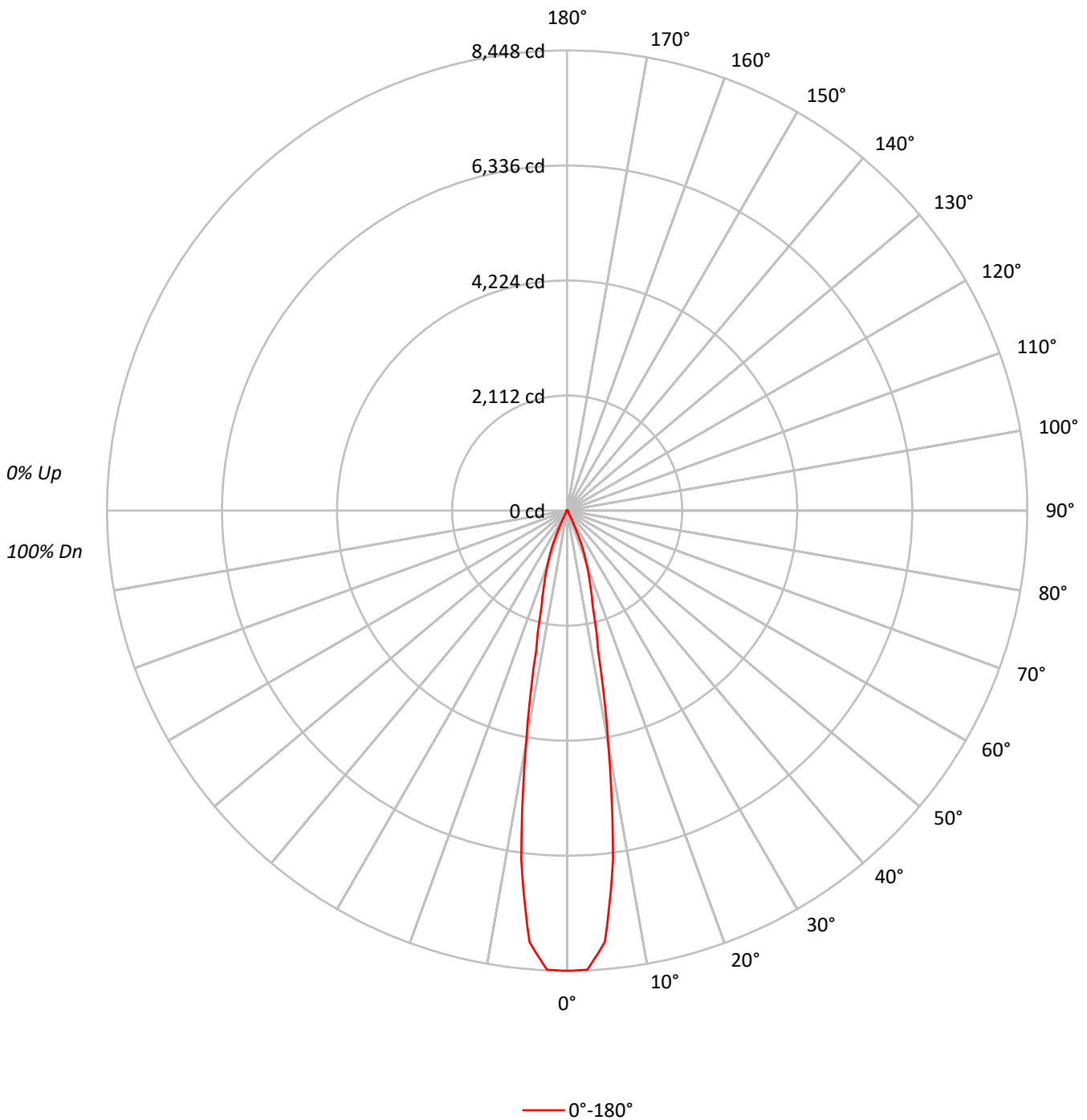
Lumens per Lamp: N/A
Luminaire Lumens: 1412.3 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

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: P108709
CATALOG NUMBER: PN3LED12SP15835-E3MRC

Luminous Intensity Polar Plot





TEST NUMBER: P108709

CATALOG NUMBER: PN3LED12SP15835-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	81	79		84	81	79		83	81	79	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1360957
5°	1285797
10°	708079
15°	302084
20°	178129
25°	62180
30°	9190
35°	826
40°	883
45°	0
50°	526
55°	0
60°	2384
65°	2402
70°	5464
75°	1992
80°	1948
85°	5915



TEST NUMBER: P108709

CATALOG NUMBER: PN3LED12SP15835-E3MRC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.2	45.1
10°-20°	561.0	39.7
20°-30°	185.8	13.2
30°-40°	7.7	0.5
40°-50°	4.2	0.3
50°-60°	5.3	0.4
60°-70°	6.1	0.4
70°-80°	3.8	0.3
80°-90°	1.2	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°	1384.0	98.0
0°-40°	1391.7	98.5
0°-60°	1401.3	99.2
0°-90°	1412.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8448	
5°	7951	637
15°	1811	561
25°	350	186
35°	4	8
45°	0	4
55°	0	5
65°	6	6
75°	3	4
85°	3	1
90°	0	



TEST NUMBER: P108709

CATALOG NUMBER: PN3LED12SP15835-E3MRC

CANDELA DISTRIBUTION (FULL):

	0°
0°	8447.7
2.5°	8439.3
5°	7950.8
7.5°	6454.8
10°	4328.4
12.5°	2632.8
15°	1811.2
17.5°	1393.1
20°	1039.0
22.5°	729.1
25°	349.8
27.5°	110.3
30°	49.4
32.5°	17.9
35°	4.2
37.5°	3.2
40°	4.2
42.5°	10.5
45°	0.0
47.5°	8.4
50°	2.1
52.5°	11.6
55°	0.0
57.5°	7.4
60°	7.4
62.5°	1.1
65°	6.3
67.5°	7.4
70°	11.6
72.5°	1.1
75°	3.2
77.5°	3.2
80°	2.1
82.5°	0.0
85°	3.2
87.5°	0.0
90°	0.0

(END OF REPORT)