

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: P108710

Luminaire Tested: **PN3LED12SP15840-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P108710
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: PN3LED12SP15840-E3MRC
Description: IRIS 3 INCH LED FIXTURE WITH
SPECULAR CLEAR DOWNLIGHT REFLECTOR
AND 15 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE
Light Source: (1) 4000K 80CRI LED
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

Summary

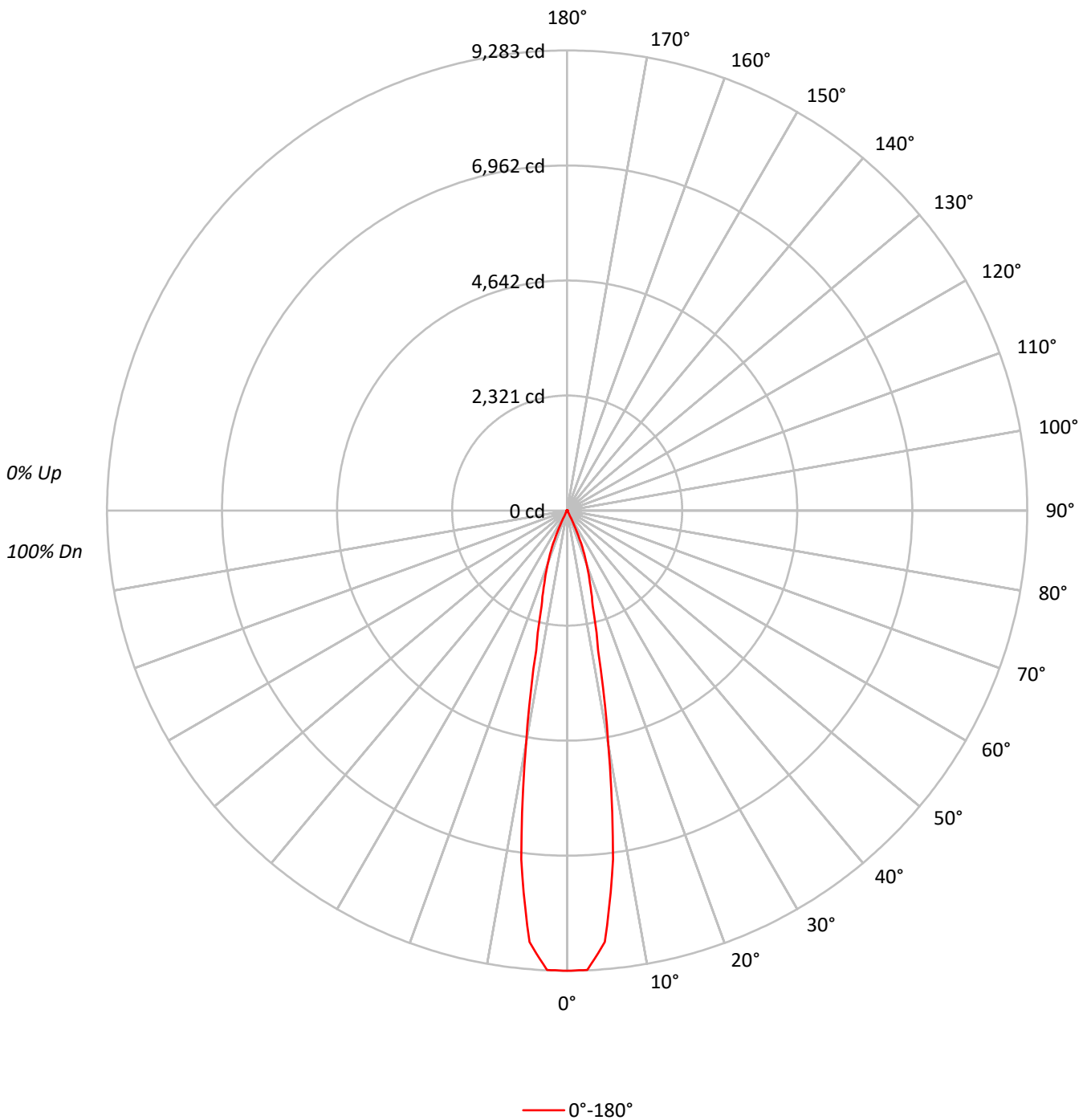
Lumens per Lamp: N/A
Luminaire Lumens: 1551.9 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

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



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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		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°	1495559
5°	1412957
10°	778111
15°	331956
20°	195754
25°	68330
30°	10101
35°	905
40°	967
45°	0
50°	576
55°	0
60°	2610
65°	2630
70°	5982
75°	2179
80°	2134
85°	6470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.2	45.1
10°-20°	616.5	39.7
20°-30°	204.2	13.2
30°-40°	8.4	0.5
40°-50°	4.6	0.3
50°-60°	5.8	0.4
60°-70°	6.7	0.4
70°-80°	4.1	0.3
80°-90°	1.3	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°	1520.9	98.0
0°-40°	1529.3	98.5
0°-60°	1539.8	99.2
0°-90°	1551.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1551.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9283	
5°	8737	700
15°	1990	616
25°	384	204
35°	5	8
45°	0	5
55°	0	6
65°	7	7
75°	4	4
85°	4	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9283.2
2.5°	9274.0
5°	8737.1
7.5°	7093.1
10°	4756.5
12.5°	2893.1
15°	1990.3
17.5°	1530.8
20°	1141.8
22.5°	801.2
25°	384.4
27.5°	121.2
30°	54.3
32.5°	19.6
35°	4.6
37.5°	3.5
40°	4.6
42.5°	11.5
45°	0.0
47.5°	9.2
50°	2.3
52.5°	12.7
55°	0.0
57.5°	8.1
60°	8.1
62.5°	1.2
65°	6.9
67.5°	8.1
70°	12.7
72.5°	1.2
75°	3.5
77.5°	3.5
80°	2.3
82.5°	0.0
85°	3.5
87.5°	0.0
90°	0.0

(END OF REPORT)