

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: P108707

Luminaire Tested: **PN3LED12SP15827-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P108707
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: PN3LED12SP15827-E3MRC
Description: IRIS 3 INCH LED FIXTURE WITH
SPECULAR CLEAR DOWNLIGHT REFLECTOR
AND 15 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE
Light Source: (1) 2700K 80CRI LED
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

Summary

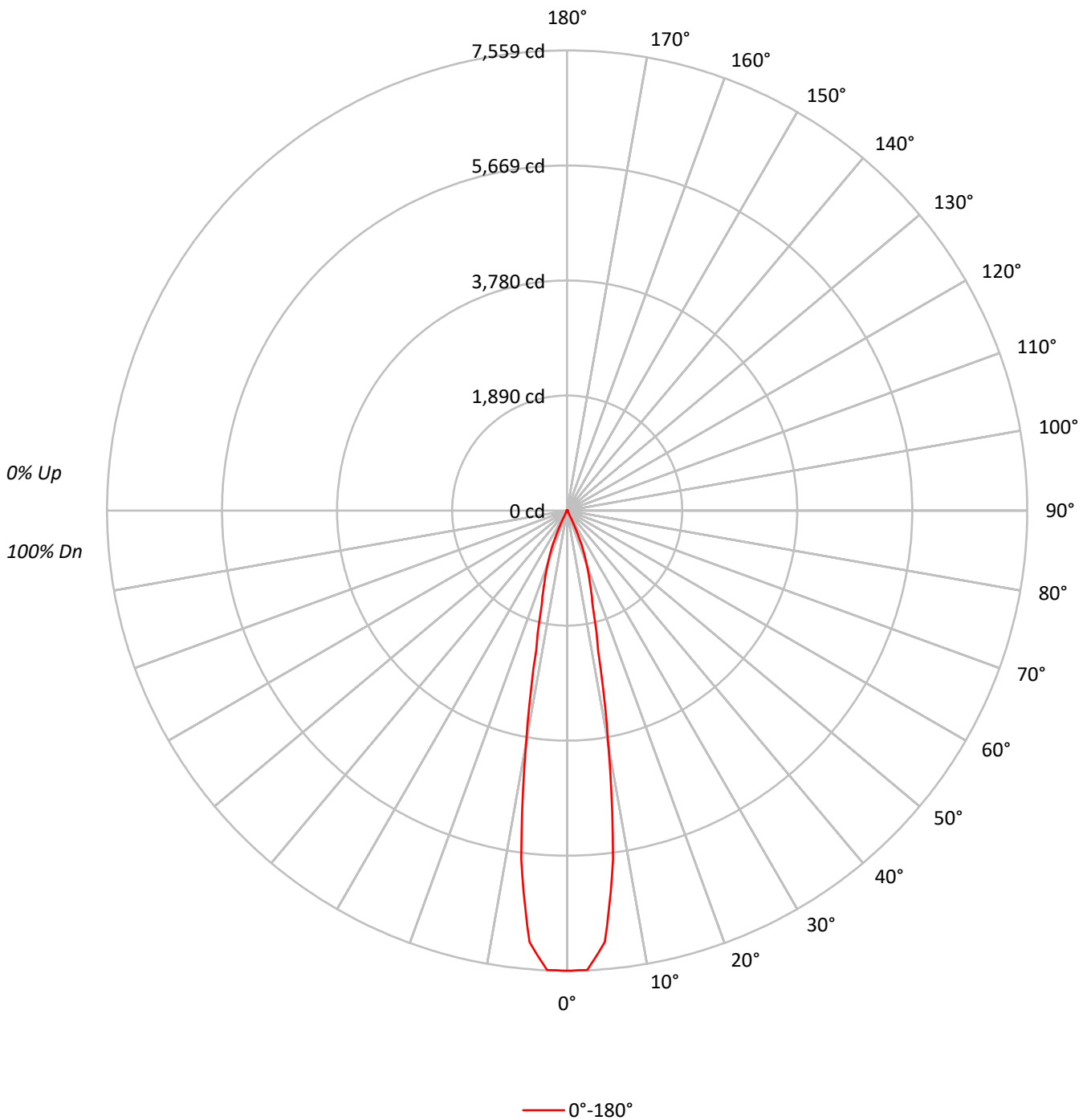
Lumens per Lamp: N/A
Luminaire Lumens: 1263.6 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

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



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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°	1217816
5°	1150551
10°	633597
15°	270312
20°	159391
25°	55638
30°	8222
35°	747
40°	799
45°	0
50°	476
55°	0
60°	2127
65°	2135
70°	4852
75°	1743
80°	1763
85°	5176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.2	45.1
10°-20°	502.0	39.7
20°-30°	166.3	13.2
30°-40°	6.9	0.5
40°-50°	3.8	0.3
50°-60°	4.7	0.4
60°-70°	5.4	0.4
70°-80°	3.3	0.3
80°-90°	1.0	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°	1238.4	98.0
0°-40°	1245.3	98.6
0°-60°	1253.9	99.2
0°-90°	1263.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1263.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7559	
5°	7114	570
15°	1621	502
25°	313	166
35°	4	7
45°	0	4
55°	0	5
65°	6	5
75°	3	3
85°	3	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7559.2
2.5°	7551.7
5°	7114.5
7.5°	5775.8
10°	3873.1
12.5°	2355.8
15°	1620.7
17.5°	1246.5
20°	929.7
22.5°	652.4
25°	313.0
27.5°	98.7
30°	44.2
32.5°	16.0
35°	3.8
37.5°	2.8
40°	3.8
42.5°	9.4
45°	0.0
47.5°	7.5
50°	1.9
52.5°	10.3
55°	0.0
57.5°	6.6
60°	6.6
62.5°	0.9
65°	5.6
67.5°	6.6
70°	10.3
72.5°	0.9
75°	2.8
77.5°	2.8
80°	1.9
82.5°	0.0
85°	2.8
87.5°	0.0
90°	0.0

(END OF REPORT)