

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: P106317

Luminaire Tested: **P3LED09NSP10927-E3MRC**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P106317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13665)  
Test Lab: PEACHTREE CITY  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: IRiS  
Catalog Number: P3LED09NSP10927-E3MRC  
Description: IRIS 3 INCH LED FIXTURE WITH  
SPECULAR CLEAR DOWNLIGHT REFLECTOR  
AND 10 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE  
Light Source: (1) 2700K 90CRI LED  
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

**Summary**

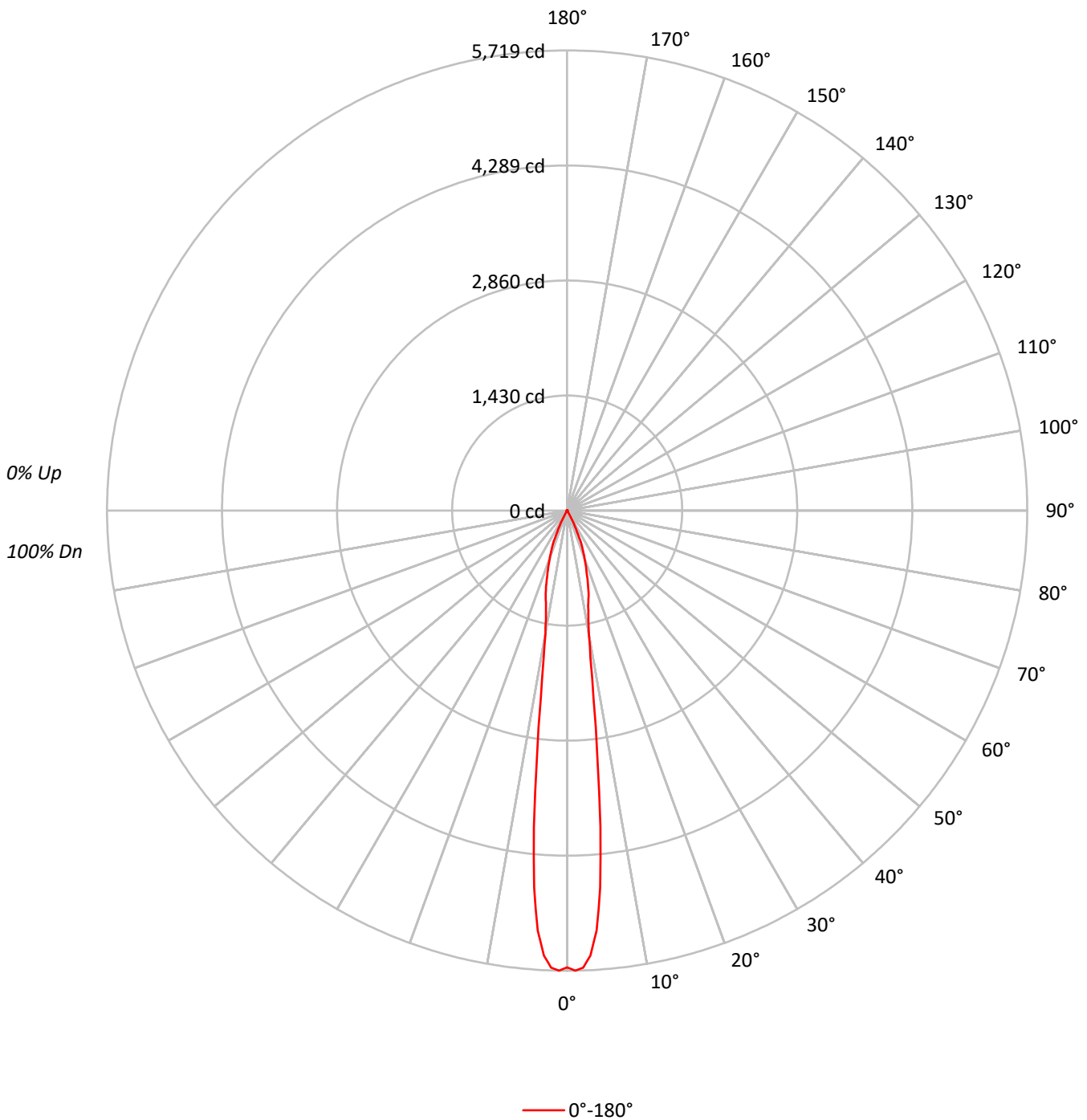
Lumens per Lamp: N/A  
Luminaire Lumens: 750.5 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	107	107	107	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	107	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80
9	93	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	796764
5°	662369
10°	222407
15°	148617
20°	94626
25°	44333
30°	3403
35°	1028
40°	110
45°	0
50°	0
55°	0
60°	1852
65°	199
70°	246
75°	1952
80°	0
85°	9661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.6	42.7
10°-20°	279.3	37.2
20°-30°	138.2	18.4
30°-40°	3.6	0.5
40°-50°	1.0	0.1
50°-60°	2.9	0.4
60°-70°	1.2	0.2
70°-80°	1.8	0.2
80°-90°	2.9	0.4
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°	738.1	98.3
0°-40°	741.7	98.8
0°-60°	745.6	99.3
0°-90°	751.6	100.1
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5677	
5°	4702	321
15°	1023	279
25°	286	138
35°	6	4
45°	0	1
55°	0	3
65°	1	1
75°	4	2
85°	6	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5677.4
1°	5718.7
2°	5684.6
3°	5537.2
4°	5233.0
5°	4701.8
6°	3951.4
7°	3084.8
8°	2354.2
9°	1857.1
10°	1560.7
11°	1384.0
12.5°	1209.7
15°	1022.9
17.5°	807.3
20°	633.6
22.5°	491.1
25°	286.3
27.5°	163.5
30°	21.0
32.5°	3.0
35°	6.0
37.5°	4.2
40°	0.6
42.5°	2.4
45°	0.0
47.5°	2.4
50°	0.0
52.5°	0.0
55°	0.0
57.5°	4.8
60°	6.6
62.5°	0.0
65°	0.6
67.5°	0.6
70°	0.6
72.5°	2.4
75°	3.6
77.5°	0.6
80°	0.0
82.5°	3.0
85°	6.0
87.5°	1.8
90°	0.0

(END OF REPORT)