

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: P106313

Luminaire Tested: **P3LED09NSP10827-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P106313
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: P3LED09NSP10827-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 80CRI LED
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

Summary

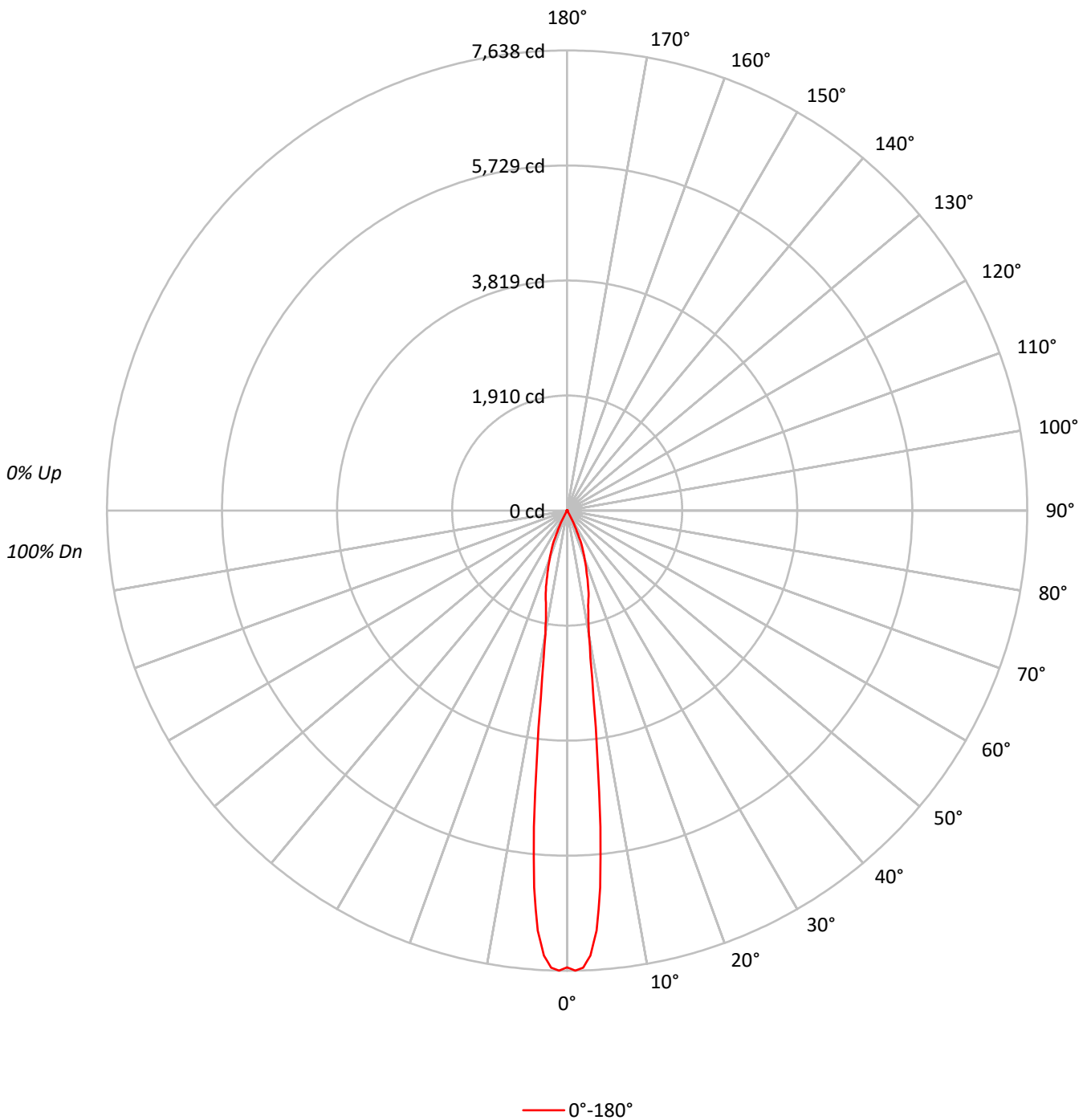
Lumens per Lamp: N/A
Luminaire Lumens: 1002.3 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	100		100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	96	95	94		94
3	108	104	100	97	107	102	99	97	100	97	95	98	96	94	96	94	92	91		91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89		89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86		86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84		84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82		82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80		80
9	93	86	82	80	92	86	82	80	85	82	80	84	81	79	84	81	79	78		78
10	90	84	80	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1064097
5°	884615
10°	297022
15°	198481
20°	126377
25°	59198
30°	4537
35°	1371
40°	147
45°	0
50°	0
55°	0
60°	2470
65°	266
70°	328
75°	2603
80°	0
85°	12882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.1	42.7
10°-20°	373.0	37.2
20°-30°	184.6	18.4
30°-40°	4.8	0.5
40°-50°	1.3	0.1
50°-60°	3.9	0.4
60°-70°	1.6	0.2
70°-80°	2.4	0.2
80°-90°	3.9	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°	985.7	98.3
0°-40°	990.6	98.8
0°-60°	995.8	99.3
0°-90°	1003.7	100.1
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7582	
5°	6279	428
15°	1366	373
25°	382	185
35°	8	5
45°	0	1
55°	0	4
65°	1	2
75°	5	2
85°	8	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7582.3
1°	7637.5
2°	7591.9
3°	7395.1
4°	6988.8
5°	6279.4
6°	5277.2
7°	4119.9
8°	3144.1
9°	2480.2
10°	2084.3
11°	1848.4
12.5°	1615.6
15°	1366.1
17.5°	1078.2
20°	846.2
22.5°	655.9
25°	382.3
27.5°	218.4
30°	28.0
32.5°	4.0
35°	8.0
37.5°	5.6
40°	0.8
42.5°	3.2
45°	0.0
47.5°	3.2
50°	0.0
52.5°	0.0
55°	0.0
57.5°	6.4
60°	8.8
62.5°	0.0
65°	0.8
67.5°	0.8
70°	0.8
72.5°	3.2
75°	4.8
77.5°	0.8
80°	0.0
82.5°	4.0
85°	8.0
87.5°	2.4
90°	0.0

(END OF REPORT)