

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: P108701

Luminaire Tested: **PN3LED12NFL25827-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P108701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13663)
Test Lab: PEACHTREE CITY
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: IRiS
Catalog Number: PN3LED12NFL25827-E3MRC
Description: IRIS 3 INCH LED FIXTURE WITH
SPECULAR CLEAR DOWNLIGHT REFLECTOR
AND 25 DEGREE PRIMARY OPTIC, 0 DEGREE AIMING ANGLE
Light Source: (1) 2700K 80CRI LED
Ballast/Driver: (1) 450mA ELECTRONIC DRIVER

Summary

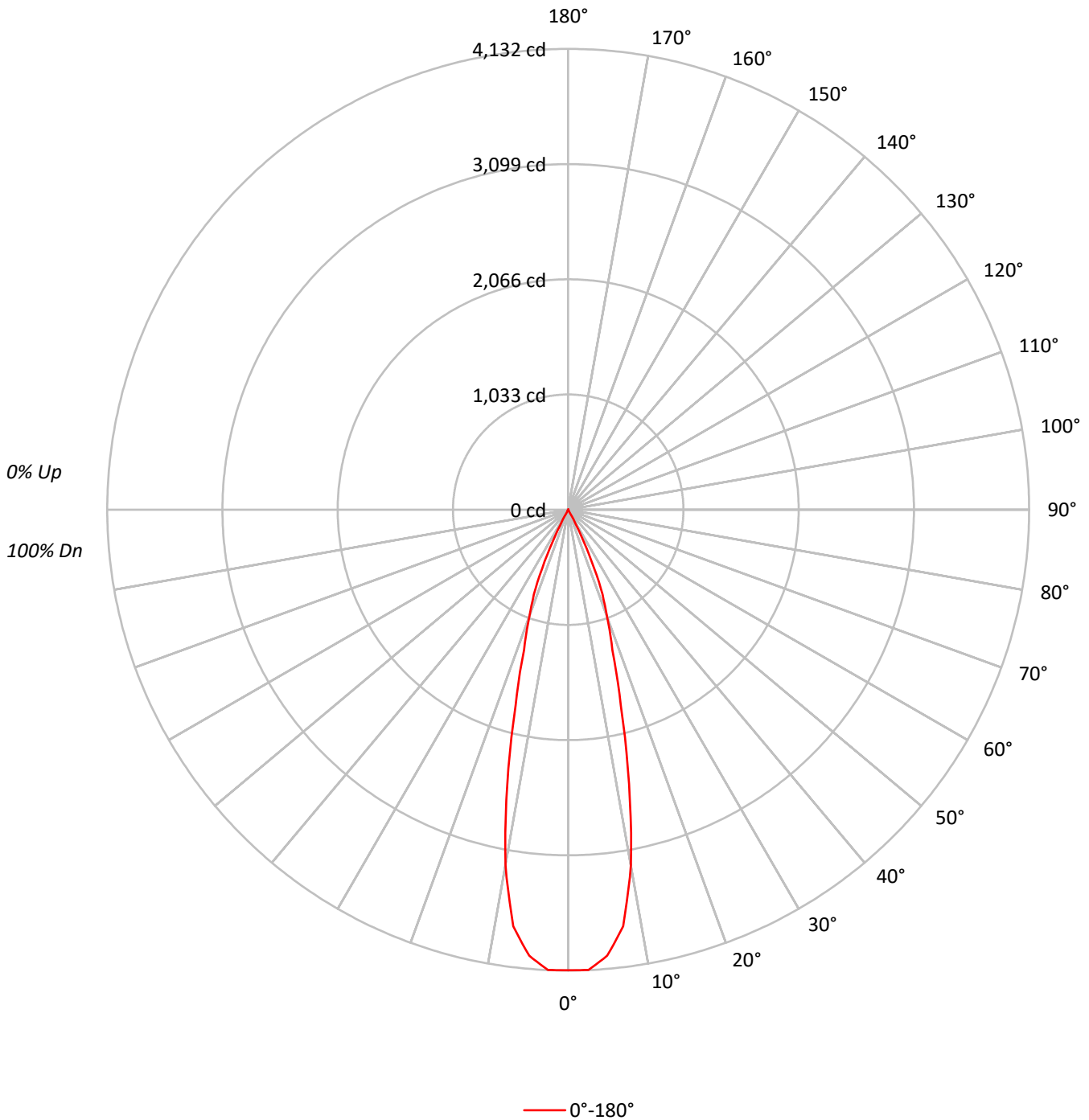
Lumens per Lamp: N/A
Luminaire Lumens: 1086.6 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.47
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	665165
5°	649157
10°	529800
15°	303552
20°	173740
25°	78214
30°	2456
35°	1475
40°	799
45°	205
50°	0
55°	0
60°	0
65°	343
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.9	33.1
10°-20°	518.4	47.7
20°-30°	202.4	18.6
30°-40°	4.3	0.4
40°-50°	0.9	0.1
50°-60°	0.4	0.0
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1080.8	99.5
0°-40°	1085.1	99.9
0°-60°	1086.4	100.0
0°-90°	1086.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1086.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4129	
5°	4014	360
15°	1820	518
25°	440	202
35°	8	4
45°	1	1
55°	0	0
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4128.8
2.5°	4131.6
5°	4014.1
7.5°	3767.8
10°	3238.6
12.5°	2519.4
15°	1820.0
17.5°	1318.0
20°	1013.4
22.5°	770.9
25°	440.0
27.5°	153.2
30°	13.2
32.5°	7.5
35°	7.5
37.5°	4.7
40°	3.8
42.5°	1.9
45°	0.9
47.5°	0.0
50°	0.0
52.5°	0.9
55°	0.0
57.5°	0.9
60°	0.0
62.5°	0.0
65°	0.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)