

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: P106293

Luminaire Tested: **P3LED09NFL25927-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P106293
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: P3LED09NFL25927-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 90CRI LED
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

Summary

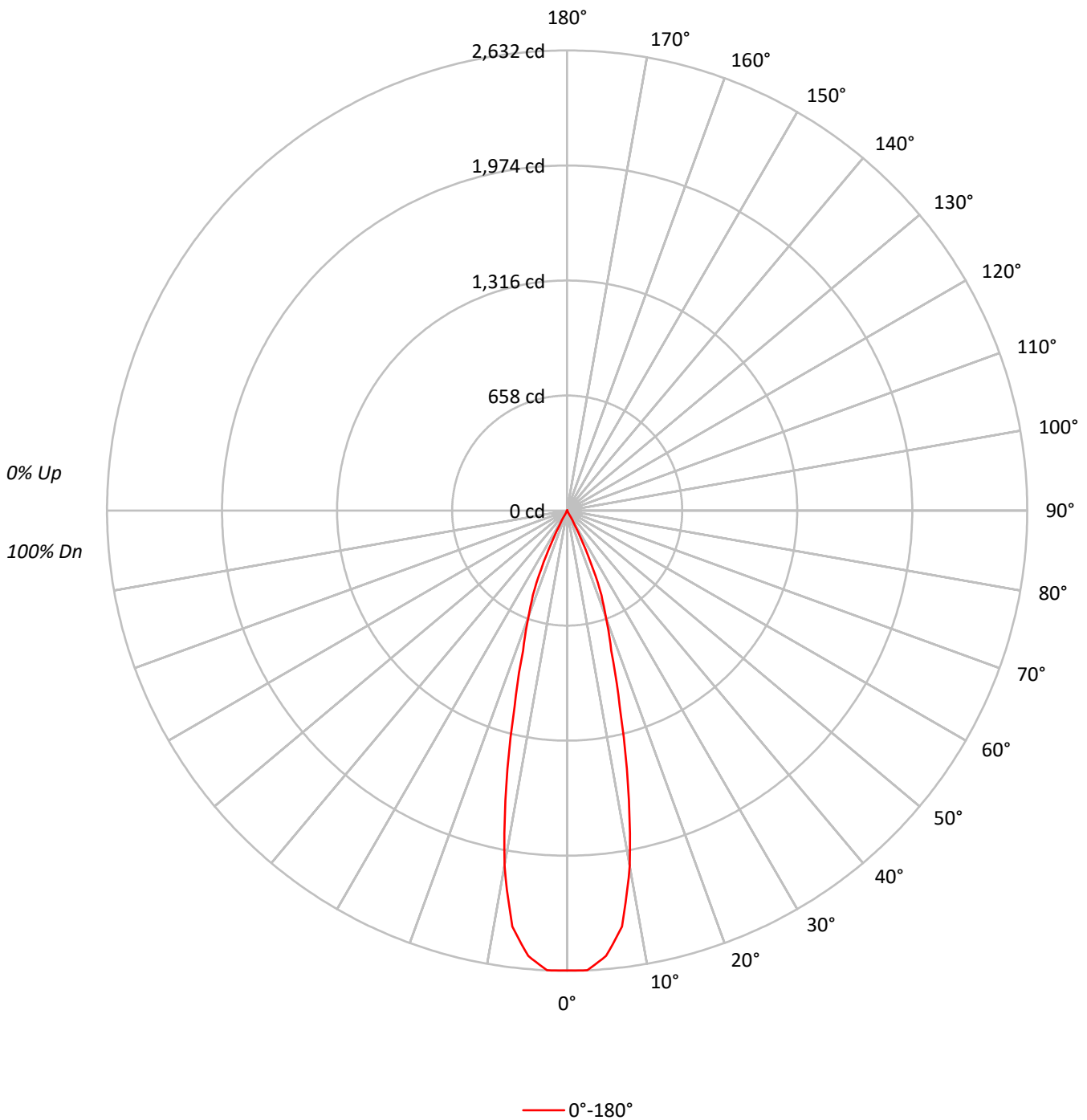
Lumens per Lamp: N/A
Luminaire Lumens: 692.2 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.47
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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



TEST NUMBER: P106293
CATALOG NUMBER: P3LED09NFL25927-E3MRC

Luminous Intensity Polar Plot





TEST NUMBER: P106293

CATALOG NUMBER: P3LED09NFL25927-E3MRC

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	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									100												
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	98	96	95	94	94	94	94	94	94	94	94	97								
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94				
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85		
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
10	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	423751
5°	413548
10°	337501
15°	193373
20°	110684
25°	49826
30°	1563
35°	944
40°	505
45°	137
50°	0
55°	0
60°	0
65°	229
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P106293

CATALOG NUMBER: P3LED09NFL25927-E3MRC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	33.1
10°-20°	330.3	47.7
20°-30°	129.0	18.6
30°-40°	2.8	0.4
40°-50°	0.6	0.1
50°-60°	0.3	0.0
60°-70°	0.1	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°	688.5	99.5
0°-40°	691.3	99.9
0°-60°	692.1	100.0
0°-90°	692.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	692.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2630	
5°	2557	229
15°	1159	330
25°	280	129
35°	5	3
45°	1	1
55°	0	0
65°	1	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P106293

CATALOG NUMBER: P3LED09NFL25927-E3MRC

CANDELA DISTRIBUTION (FULL):

	0°
0°	2630.3
2.5°	2632.1
5°	2557.2
7.5°	2400.3
10°	2063.1
12.5°	1605.0
15°	1159.4
17.5°	839.6
20°	645.6
22.5°	491.1
25°	280.3
27.5°	97.6
30°	8.4
32.5°	4.8
35°	4.8
37.5°	3.0
40°	2.4
42.5°	1.2
45°	0.6
47.5°	0.0
50°	0.0
52.5°	0.6
55°	0.0
57.5°	0.6
60°	0.0
62.5°	0.0
65°	0.6
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)