

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: P106301

Luminaire Tested: **P3LED09SP15827-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P106301
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: P3LED09SP15827-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) 340mA ELECTRONIC DRIVER

Summary

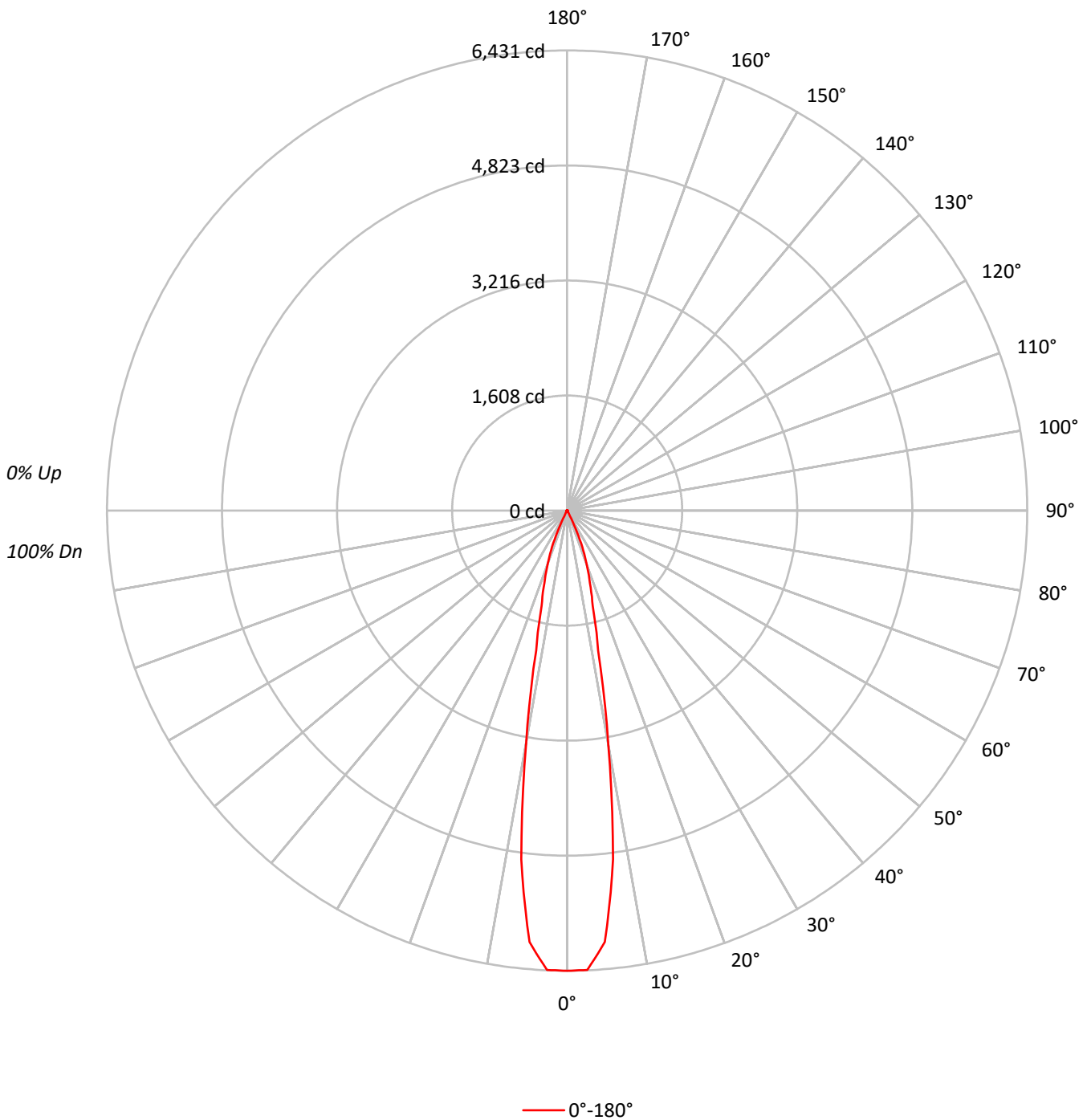
Lumens per Lamp: N/A
Luminaire Lumens: 1075.1 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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°	1036107
5°	978886
10°	539075
15°	229982
20°	135611
25°	47337
30°	6995
35°	629
40°	673
45°	0
50°	401
55°	0
60°	1804
65°	1830
70°	4145
75°	1494
80°	1484
85°	4436



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.1	45.1
10°-20°	427.1	39.7
20°-30°	141.5	13.2
30°-40°	5.9	0.5
40°-50°	3.2	0.3
50°-60°	4.0	0.4
60°-70°	4.6	0.4
70°-80°	2.8	0.3
80°-90°	0.9	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°	1053.7	98.0
0°-40°	1059.5	98.6
0°-60°	1066.8	99.2
0°-90°	1075.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6431	
5°	6053	485
15°	1379	427
25°	266	141
35°	3	6
45°	0	3
55°	0	4
65°	5	5
75°	2	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6431.3
2.5°	6424.9
5°	6053.0
7.5°	4914.1
10°	3295.3
12.5°	2004.3
15°	1378.9
17.5°	1060.6
20°	791.0
22.5°	555.1
25°	266.3
27.5°	84.0
30°	37.6
32.5°	13.6
35°	3.2
37.5°	2.4
40°	3.2
42.5°	8.0
45°	0.0
47.5°	6.4
50°	1.6
52.5°	8.8
55°	0.0
57.5°	5.6
60°	5.6
62.5°	0.8
65°	4.8
67.5°	5.6
70°	8.8
72.5°	0.8
75°	2.4
77.5°	2.4
80°	1.6
82.5°	0.0
85°	2.4
87.5°	0.0
90°	0.0

(END OF REPORT)