

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: P106305

Luminaire Tested: **P3LED09SP15927-E3MRC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P106305
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: P3LED09SP15927-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 90CRI LED
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

Summary

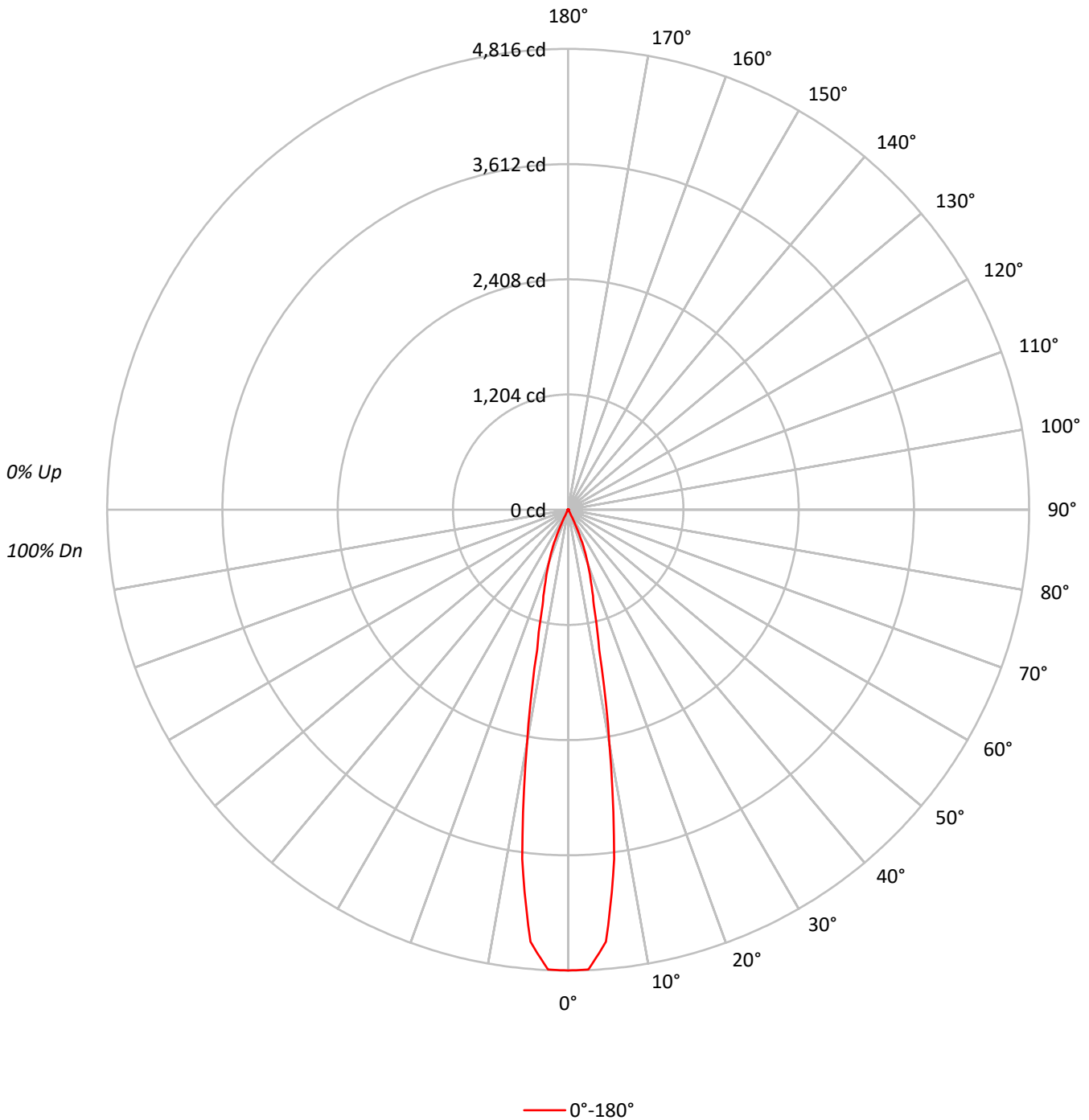
Lumens per Lamp: N/A
Luminaire Lumens: 805.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

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	50	30	10
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	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97		97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94		94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92		92
4	106	101	97	94	104	100	96	94	98	95	93	96	93	92	94	92	91	89		89
5	103	97	94	91	102	97	93	90	95	92	90	94	91	89	92	90	88	87		87
6	100	95	91	88	99	94	90	88	93	90	87	91	89	87	90	88	86	85		85
7	98	92	88	86	97	92	88	85	90	87	85	89	87	85	89	86	84	83		83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	81		81
9	94	88	84	81	93	87	84	81	86	83	81	86	83	81	85	83	81	80		80
10	92	86	82	80	91	85	82	80	85	82	79	84	81	79	83	81	79	78		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	775811
5°	732960
10°	403640
15°	172208
20°	101546
25°	35445
30°	5227
35°	472
40°	505
45°	0
50°	301
55°	0
60°	1353
65°	1372
70°	3109
75°	1120
80°	1113
85°	3327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.2	45.1
10°-20°	319.8	39.7
20°-30°	105.9	13.2
30°-40°	4.4	0.5
40°-50°	2.4	0.3
50°-60°	3.0	0.4
60°-70°	3.5	0.4
70°-80°	2.1	0.3
80°-90°	0.7	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°	789.0	98.0
0°-40°	793.3	98.5
0°-60°	798.8	99.2
0°-90°	805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4816	
5°	4532	363
15°	1032	320
25°	199	106
35°	2	4
45°	0	2
55°	0	3
65°	4	3
75°	2	2
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4815.6
2.5°	4810.8
5°	4532.3
7.5°	3679.5
10°	2467.4
12.5°	1500.8
15°	1032.5
17.5°	794.1
20°	592.3
22.5°	415.6
25°	199.4
27.5°	62.9
30°	28.1
32.5°	10.2
35°	2.4
37.5°	1.8
40°	2.4
42.5°	6.0
45°	0.0
47.5°	4.8
50°	1.2
52.5°	6.6
55°	0.0
57.5°	4.2
60°	4.2
62.5°	0.6
65°	3.6
67.5°	4.2
70°	6.6
72.5°	0.6
75°	1.8
77.5°	1.8
80°	1.2
82.5°	0.0
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)