

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1249887

Luminaire Tested: P3AS20R159027D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159027D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

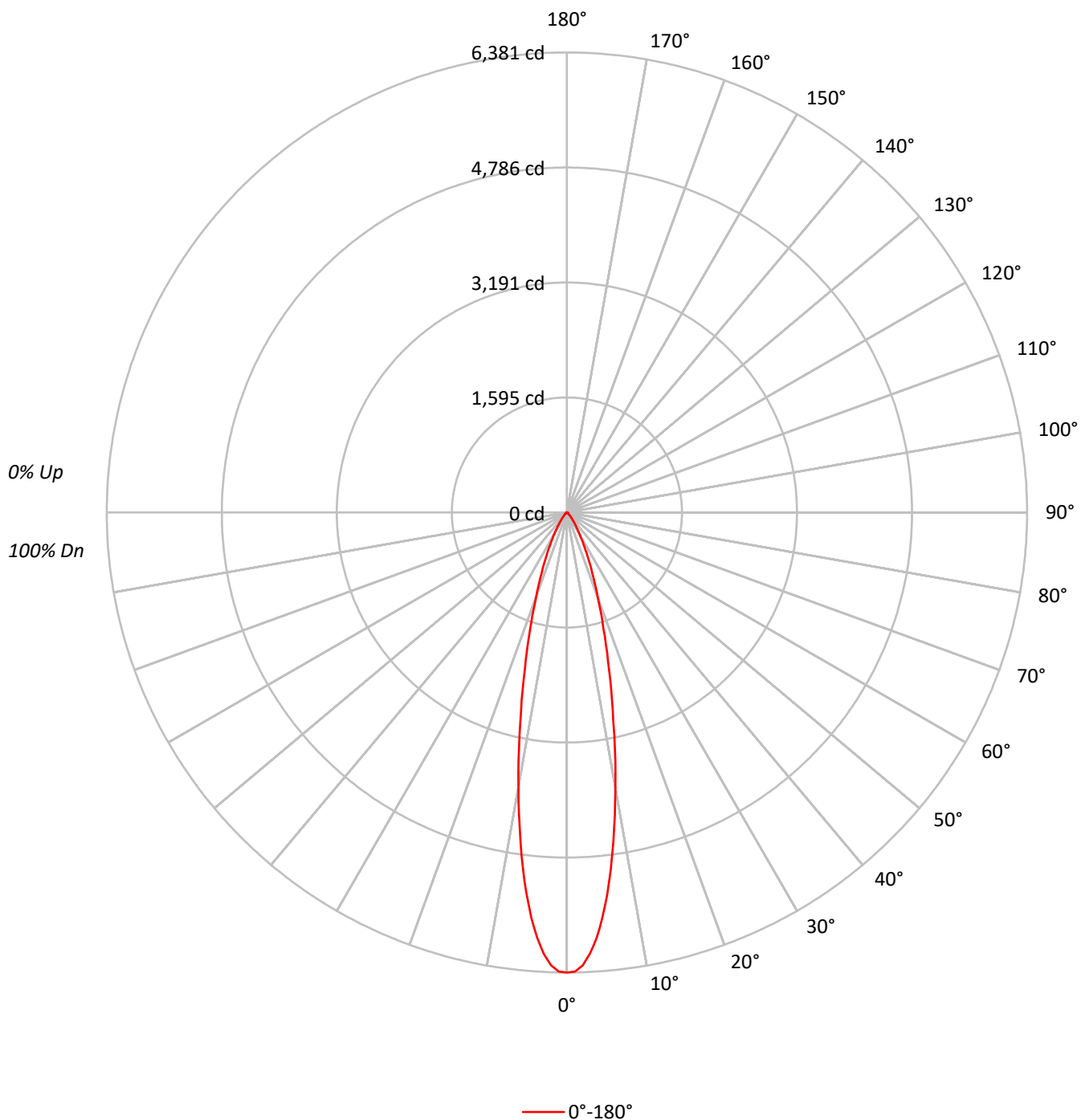
Lumens per Lamp: N/A
Luminaire Lumens: 1638.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: 24 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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1399274
5°	1242084
10°	862576
15°	510105
20°	290525
25°	166074
30°	91888
35°	48988
40°	27108
45°	14668
50°	9143
55°	7226
60°	6228
65°	5707
70°	5065
75°	5338
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14668 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.8	29.3
10°-20°	633.3	38.7
20°-30°	326.1	19.9
30°-40°	122.4	7.5
40°-50°	40.1	2.4
50°-60°	17.2	1.1
60°-70°	10.9	0.7
70°-80°	6.4	0.4
80°-90°	1.7	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°	1439.2	87.9
0°-40°	1561.6	95.3
0°-60°	1618.9	98.8
0°-90°	1638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1638.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6381	
5°	5643	480
15°	2247	633
25°	686	326
35°	183	122
45°	47	40
55°	19	17
65°	11	11
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6381.2
1°	6368.6
2°	6285.0
3°	6125.6
4°	5915.7
5°	5642.8
6°	5333.5
7°	4994.2
8°	4617.1
9°	4244.7
10°	3873.9
12.5°	2980.8
15°	2247.0
17.5°	1682.1
20°	1245.0
22.5°	929.4
25°	686.4
27.5°	500.2
30°	362.9
32.5°	257.2
35°	183.0
37.5°	131.0
40°	94.7
42.5°	67.9
45°	47.3
47.5°	34.7
50°	26.8
52.5°	22.1
55°	18.9
57.5°	15.8
60°	14.2
62.5°	12.6
65°	11.0
67.5°	9.5
70°	7.9
72.5°	7.9
75°	6.3
77.5°	4.7
80°	3.2
82.5°	3.2
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)