

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: P1258010

Luminaire Tested: P3AS20R159040D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258010
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: P3AS20R159040D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

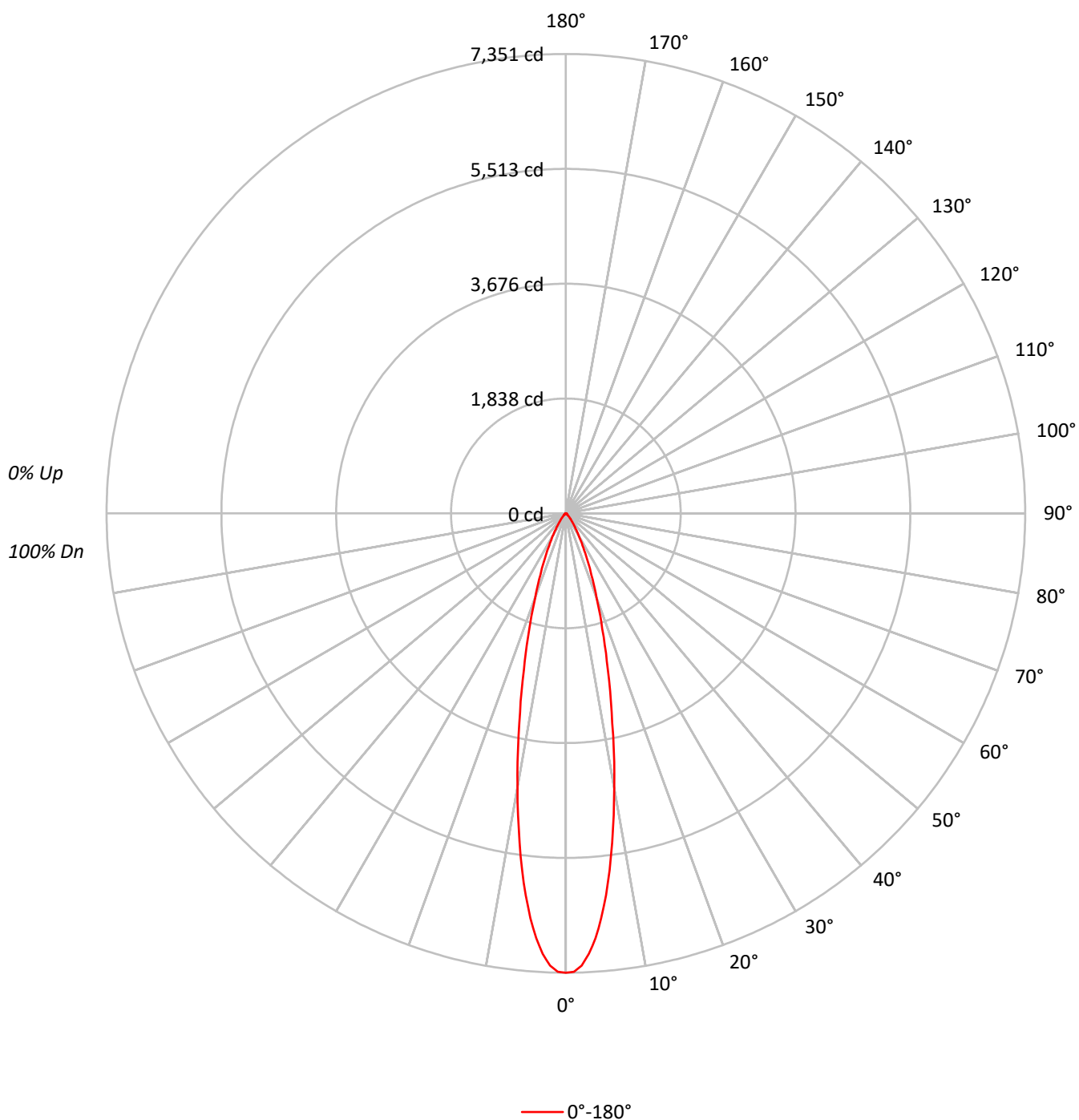
Lumens per Lamp: N/A
Luminaire Lumens: 1887.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	1611998
5°	1430879
10°	993702
15°	587654
20°	334699
25°	191334
30°	105864
35°	56456
40°	31230
45°	16901
50°	10541
55°	8334
60°	7192
65°	6590
70°	5834
75°	6185
80°	4546
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.8	29.3
10°-20°	729.5	38.7
20°-30°	375.6	19.9
30°-40°	141.1	7.5
40°-50°	46.2	2.4
50°-60°	19.8	1.1
60°-70°	12.6	0.7
70°-80°	7.4	0.4
80°-90°	2.0	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°	1658.0	87.9
0°-40°	1799.0	95.3
0°-60°	1865.0	98.8
0°-90°	1887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1887.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7351	
5°	6500	553
15°	2589	730
25°	791	376
35°	211	141
45°	54	46
55°	22	20
65°	13	13
75°	7	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7351.3
1°	7336.7
2°	7240.4
3°	7056.8
4°	6815.0
5°	6500.5
6°	6144.2
7°	5753.4
8°	5319.0
9°	4889.9
10°	4462.8
12.5°	3433.9
15°	2588.6
17.5°	1937.8
20°	1434.3
22.5°	1070.7
25°	790.8
27.5°	576.3
30°	418.1
32.5°	296.3
35°	210.9
37.5°	150.9
40°	109.1
42.5°	78.2
45°	54.5
47.5°	40.0
50°	30.9
52.5°	25.4
55°	21.8
57.5°	18.2
60°	16.4
62.5°	14.5
65°	12.7
67.5°	10.9
70°	9.1
72.5°	9.1
75°	7.3
77.5°	5.5
80°	3.6
82.5°	3.6
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)