

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: P1252829

Luminaire Tested: P3AS20R559030D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R559030D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

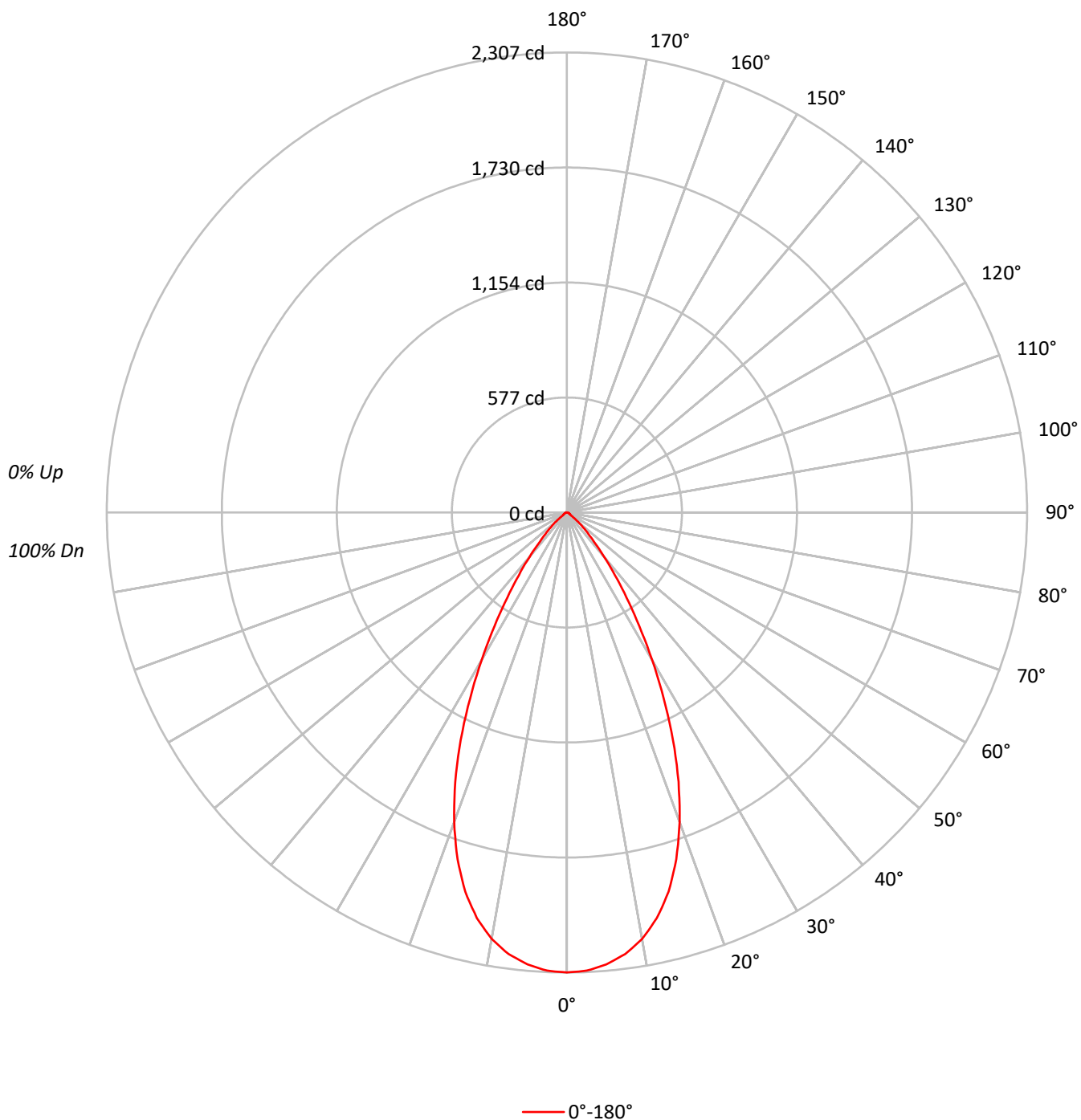
Lumens per Lamp: N/A
Luminaire Lumens: 1842.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	505793
5°	500659
10°	483491
15°	446927
20°	385664
25°	304590
30°	216084
35°	139334
40°	83671
45°	47168
50°	25381
55°	9061
60°	8157
65°	7887
70°	7565
75°	7117
80°	6440
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47168 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	11.6
10°-20°	544.4	29.6
20°-30°	570.5	31.0
30°-40°	332.8	18.1
40°-50°	124.5	6.8
50°-60°	29.3	1.6
60°-70°	15.0	0.8
70°-80°	8.9	0.5
80°-90°	2.5	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°	1328.8	72.1
0°-40°	1661.6	90.2
0°-60°	1815.5	98.6
0°-90°	1842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1842.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2307	
5°	2274	214
15°	1969	544
25°	1259	571
35°	520	333
45°	152	125
55°	24	29
65°	15	15
75°	8	9
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2306.6
2.5°	2299.9
5°	2274.5
7.5°	2234.0
10°	2171.4
12.5°	2083.6
15°	1968.7
17.5°	1823.3
20°	1652.7
22.5°	1461.7
25°	1258.9
27.5°	1051.1
30°	853.4
32.5°	674.2
35°	520.5
37.5°	395.4
40°	292.3
42.5°	209.5
45°	152.1
47.5°	109.8
50°	74.4
52.5°	42.2
55°	23.7
57.5°	20.3
60°	18.6
62.5°	16.9
65°	15.2
67.5°	13.5
70°	11.8
72.5°	10.1
75°	8.4
77.5°	6.8
80°	5.1
82.5°	3.4
85°	1.7
87.5°	1.7
90°	0.0

(END OF REPORT)