

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: P1250120

Luminaire Tested: P3AS20R559027D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250120
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: P3AS20R559027D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

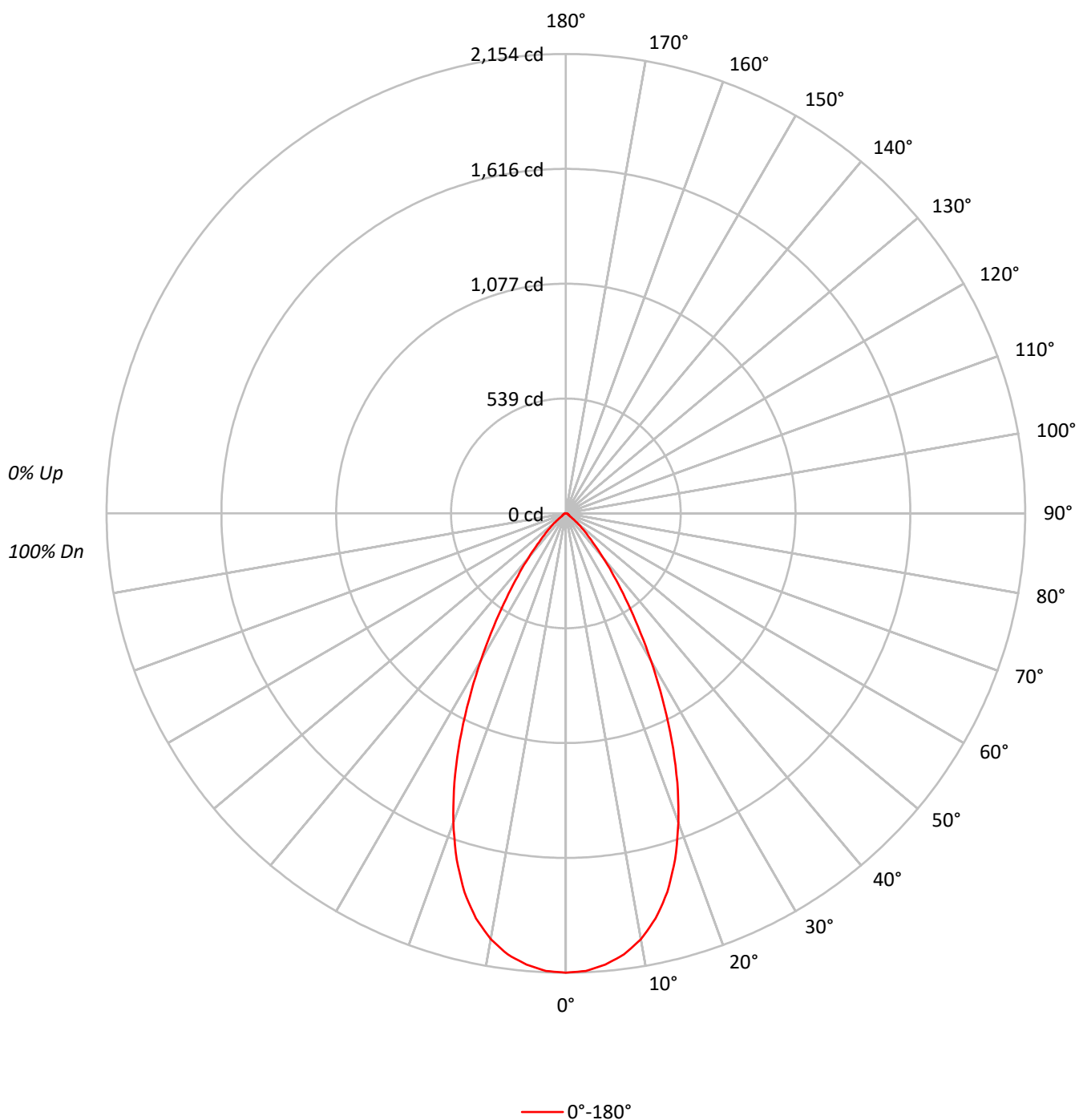
Lumens per Lamp: N/A
Luminaire Lumens: 1720.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	472309
5°	467509
10°	451472
15°	417324
20°	360111
25°	284412
30°	201753
35°	130098
40°	78146
45°	44036
50°	23675
55°	8449
60°	7631
65°	7368
70°	7052
75°	6693
80°	5935
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44036 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	11.6
10°-20°	508.3	29.6
20°-30°	532.7	31.0
30°-40°	310.8	18.1
40°-50°	116.3	6.8
50°-60°	27.4	1.6
60°-70°	14.1	0.8
70°-80°	8.3	0.5
80°-90°	2.4	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°	1240.8	72.1
0°-40°	1551.6	90.2
0°-60°	1695.3	98.6
0°-90°	1720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1720.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2154	
5°	2124	200
15°	1838	508
25°	1176	533
35°	486	311
45°	142	116
55°	22	27
65°	14	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2153.9
2.5°	2147.5
5°	2123.9
7.5°	2086.0
10°	2027.6
12.5°	1945.6
15°	1838.3
17.5°	1702.6
20°	1543.2
22.5°	1364.9
25°	1175.5
27.5°	981.5
30°	796.8
32.5°	629.6
35°	486.0
37.5°	369.2
40°	273.0
42.5°	195.7
45°	142.0
47.5°	102.6
50°	69.4
52.5°	39.4
55°	22.1
57.5°	18.9
60°	17.4
62.5°	15.8
65°	14.2
67.5°	12.6
70°	11.0
72.5°	9.5
75°	7.9
77.5°	6.3
80°	4.7
82.5°	3.2
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)