

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: P1258218

Luminaire Tested: P3AS20R509040D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509040D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

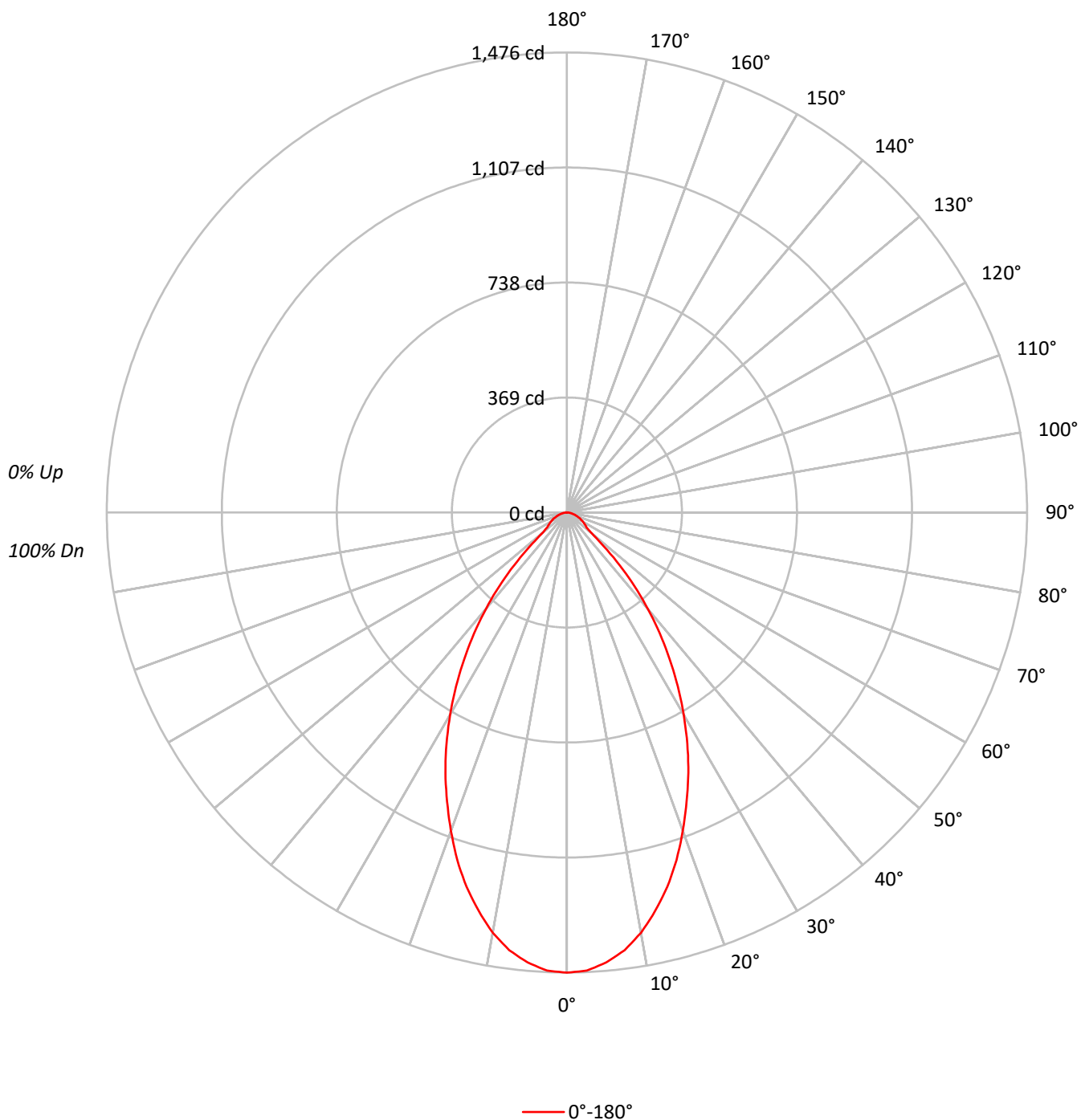
Lumens per Lamp: N/A
Luminaire Lumens: 1593.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	323724
5°	318951
10°	304826
15°	282317
20°	253702
25°	223029
30°	189675
35°	153789
40°	115531
45°	74426
50°	35342
55°	27794
60°	26314
65°	24542
70°	22119
75°	19995
80°	18310
85°	18367

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	8.5
10°-20°	346.7	21.8
20°-30°	421.3	26.4
30°-40°	357.3	22.4
40°-50°	185.6	11.6
50°-60°	67.0	4.2
60°-70°	46.3	2.9
70°-80°	25.2	1.6
80°-90°	7.9	0.5
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°	903.8	56.7
0°-40°	1261.1	79.2
0°-60°	1513.6	95.0
0°-90°	1593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1593.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1476	
5°	1449	136
15°	1244	347
25°	922	421
35°	574	357
45°	240	186
55°	73	67
65°	47	46
75°	24	25
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1476.3
2.5°	1470.9
5°	1449.0
7.5°	1416.3
10°	1369.0
12.5°	1309.0
15°	1243.6
17.5°	1169.1
20°	1087.2
22.5°	1003.6
25°	921.8
27.5°	836.3
30°	749.1
32.5°	661.8
35°	574.5
37.5°	489.1
40°	403.6
42.5°	321.8
45°	240.0
47.5°	160.0
50°	103.6
52.5°	80.0
55°	72.7
57.5°	65.5
60°	60.0
62.5°	52.7
65°	47.3
67.5°	40.0
70°	34.5
72.5°	29.1
75°	23.6
77.5°	18.2
80°	14.5
82.5°	10.9
85°	7.3
87.5°	3.6
90°	0.0

(END OF REPORT)