

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: P1274831

Luminaire Tested: P3AS20R509830D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274831
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: P3AS20R509830D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

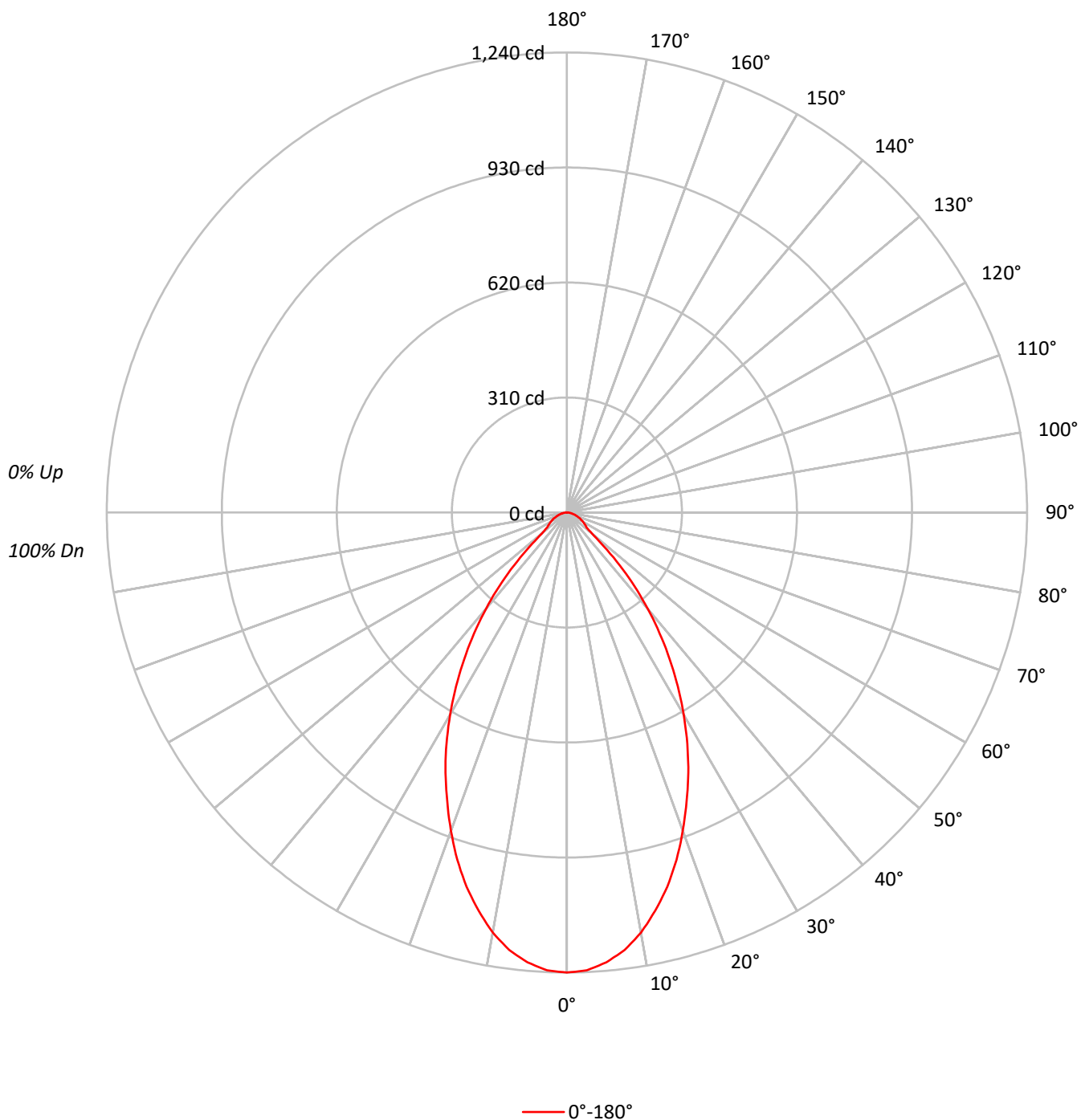
Lumens per Lamp: N/A
Luminaire Lumens: 1338.1 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	271908
5°	267906
10°	256041
15°	237118
20°	213099
25°	187317
30°	159316
35°	129188
40°	97039
45°	62518
50°	29679
55°	23359
60°	22103
65°	20599
70°	18593
75°	16860
80°	15406
85°	15347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62518 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	8.5
10°-20°	291.2	21.8
20°-30°	353.8	26.4
30°-40°	300.1	22.4
40°-50°	155.9	11.6
50°-60°	56.2	4.2
60°-70°	38.9	2.9
70°-80°	21.1	1.6
80°-90°	6.7	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°	759.1	56.7
0°-40°	1059.2	79.2
0°-60°	1271.4	95.0
0°-90°	1338.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1338.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1240	
5°	1217	114
15°	1044	291
25°	774	354
35°	483	300
45°	202	156
55°	61	56
65°	40	39
75°	20	21
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1240.0
2.5°	1235.4
5°	1217.1
7.5°	1189.6
10°	1149.9
12.5°	1099.5
15°	1044.5
17.5°	981.9
20°	913.2
22.5°	843.0
25°	774.2
27.5°	702.5
30°	629.2
32.5°	555.9
35°	482.6
37.5°	410.8
40°	339.0
42.5°	270.3
45°	201.6
47.5°	134.4
50°	87.0
52.5°	67.2
55°	61.1
57.5°	55.0
60°	50.4
62.5°	44.3
65°	39.7
67.5°	33.6
70°	29.0
72.5°	24.4
75°	19.9
77.5°	15.3
80°	12.2
82.5°	9.2
85°	6.1
87.5°	3.1
90°	0.0

(END OF REPORT)