

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: P1260814

Luminaire Tested: P3AS20R509050D010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260814
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: P3AS20R509050D010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

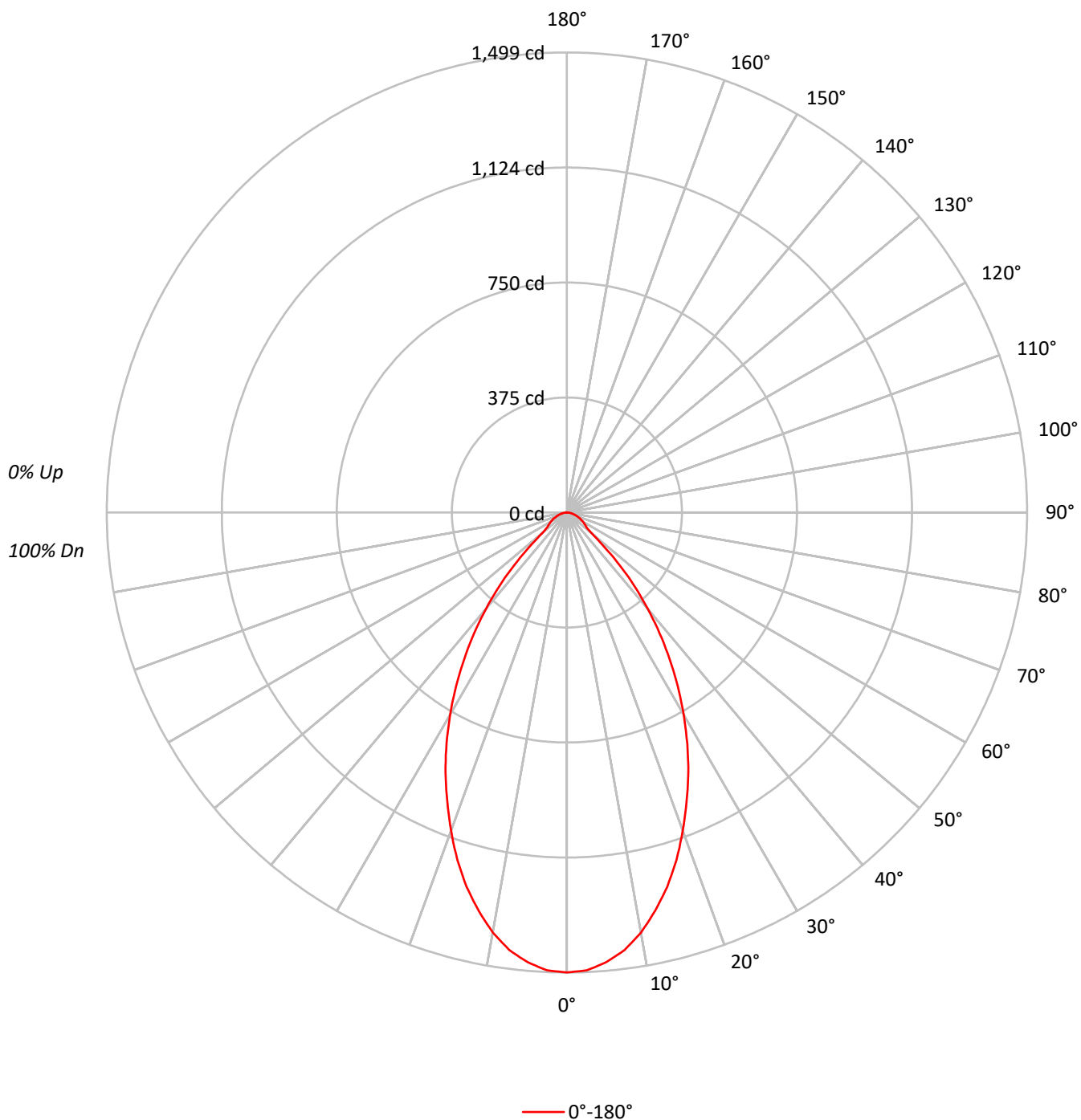
Lumens per Lamp: N/A
Luminaire Lumens: 1617.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1260814

CATALOG NUMBER: P3AS20R509050D010 E3DLD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1260814

CATALOG NUMBER: P3AS20R509050D010 E3DLD1LI

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°	328614
5°	323772
10°	309435
15°	286562
20°	257529
25°	226392
30°	192536
35°	156118
40°	117277
45°	75543
50°	35888
55°	28214
60°	26708
65°	24905
70°	22504
75°	20334
80°	18689
85°	18618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75543 cd/sqm

TEST NUMBER: P1260814

CATALOG NUMBER: P3AS20R509050D010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	8.5
10°-20°	351.9	21.8
20°-30°	427.6	26.4
30°-40°	362.6	22.4
40°-50°	188.4	11.6
50°-60°	68.0	4.2
60°-70°	47.0	2.9
70°-80°	25.6	1.6
80°-90°	8.1	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°	917.4	56.7
0°-40°	1280.1	79.2
0°-60°	1536.4	95.0
0°-90°	1617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1617.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1499	
5°	1471	138
15°	1262	352
25°	936	428
35°	583	363
45°	244	188
55°	74	68
65°	48	47
75°	24	26
85°	7	8
90°	0	

TEST NUMBER: P1260814

CATALOG NUMBER: P3AS20R509050D010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1498.6
2.5°	1493.0
5°	1470.9
7.5°	1437.7
10°	1389.7
12.5°	1328.8
15°	1262.3
17.5°	1186.7
20°	1103.6
22.5°	1018.7
25°	935.7
27.5°	848.9
30°	760.4
32.5°	671.8
35°	583.2
37.5°	496.4
40°	409.7
42.5°	326.7
45°	243.6
47.5°	162.4
50°	105.2
52.5°	81.2
55°	73.8
57.5°	66.4
60°	60.9
62.5°	53.5
65°	48.0
67.5°	40.6
70°	35.1
72.5°	29.5
75°	24.0
77.5°	18.5
80°	14.8
82.5°	11.1
85°	7.4
87.5°	3.7
90°	0.0

(END OF REPORT)