

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: P1273448

Luminaire Tested: P3A05R509830DE010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273448
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: P3A05R509830DE010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

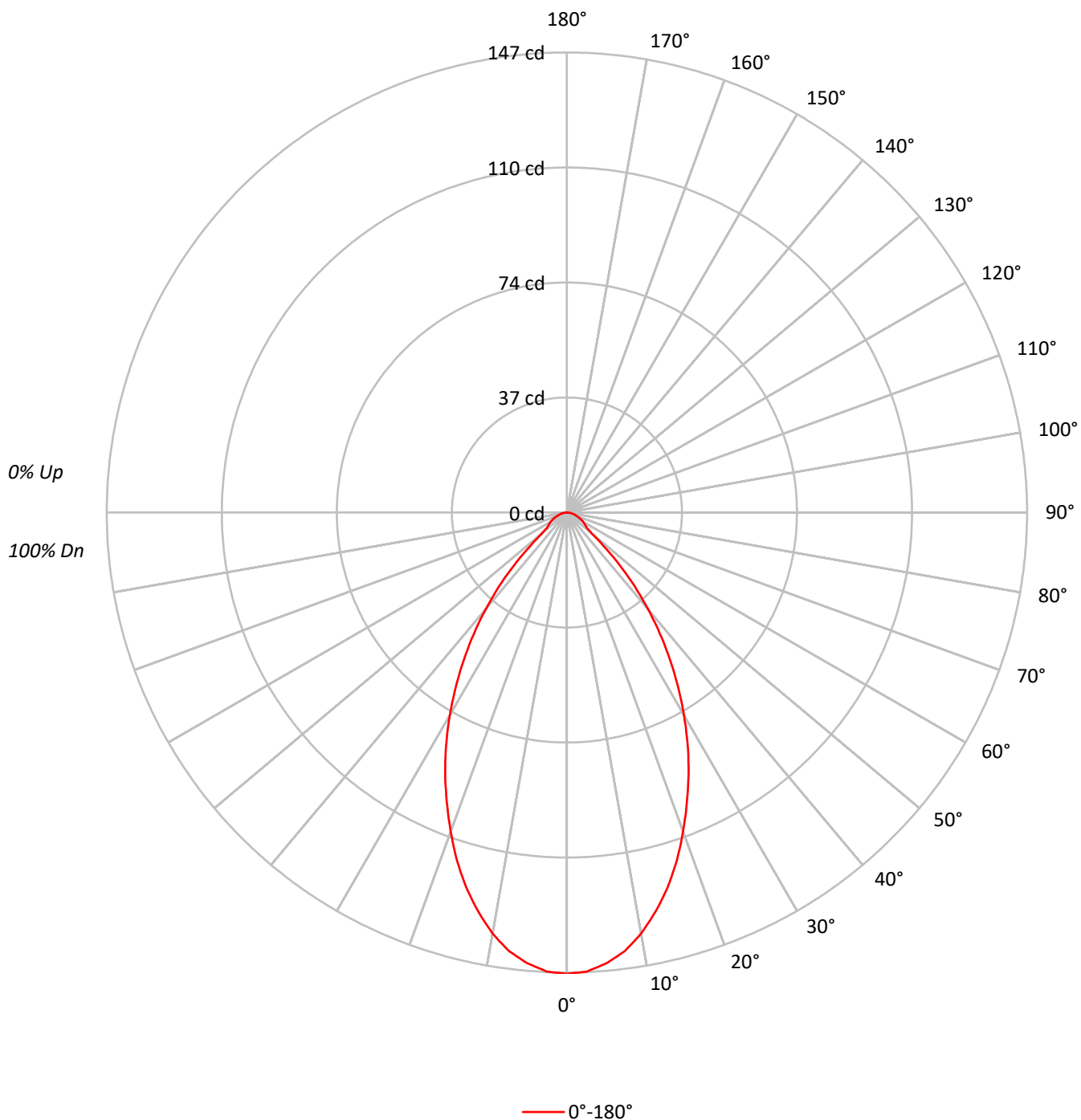
Lumens per Lamp: N/A
Luminaire Lumens: 159.0 lumens
Efficiency: N/A
Efficacy: 22.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1273448

CATALOG NUMBER: P3A05R509830DE010 E3DLD1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1273448

CATALOG NUMBER: P3A05R509830DE010 E3DLD1GPH

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°	32322
5°	31829
10°	30416
15°	28173
20°	25319
25°	22259
30°	18940
35°	15339
40°	11536
45°	7443
50°	3514
55°	2791
60°	2631
65°	2439
70°	2180
75°	2033
80°	1894
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7443 cd/sqm

TEST NUMBER: P1273448

CATALOG NUMBER: P3A05R509830DE010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	8.5
10°-20°	34.6	21.8
20°-30°	42.1	26.4
30°-40°	35.7	22.4
40°-50°	18.5	11.7
50°-60°	6.7	4.2
60°-70°	4.6	2.9
70°-80°	2.5	1.6
80°-90°	0.8	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°	90.2	56.7
0°-40°	125.9	79.1
0°-60°	151.1	95.0
0°-90°	159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	147	
5°	145	14
15°	124	35
25°	92	42
35°	57	36
45°	24	19
55°	7	7
65°	5	5
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1273448

CATALOG NUMBER: P3A05R509830DE010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	147.4
2.5°	146.8
5°	144.6
7.5°	141.4
10°	136.6
12.5°	130.7
15°	124.1
17.5°	116.7
20°	108.5
22.5°	100.2
25°	92.0
27.5°	83.5
30°	74.8
32.5°	66.1
35°	57.3
37.5°	48.8
40°	40.3
42.5°	32.1
45°	24.0
47.5°	16.0
50°	10.3
52.5°	8.0
55°	7.3
57.5°	6.5
60°	6.0
62.5°	5.3
65°	4.7
67.5°	4.0
70°	3.4
72.5°	2.9
75°	2.4
77.5°	1.8
80°	1.5
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)