

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: P1290049

Luminaire Tested: P3A05R50W2N902750DE010 E3DLD1GPH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290049
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: P3A05R50W2N902750DE010 E3DLD1GPH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

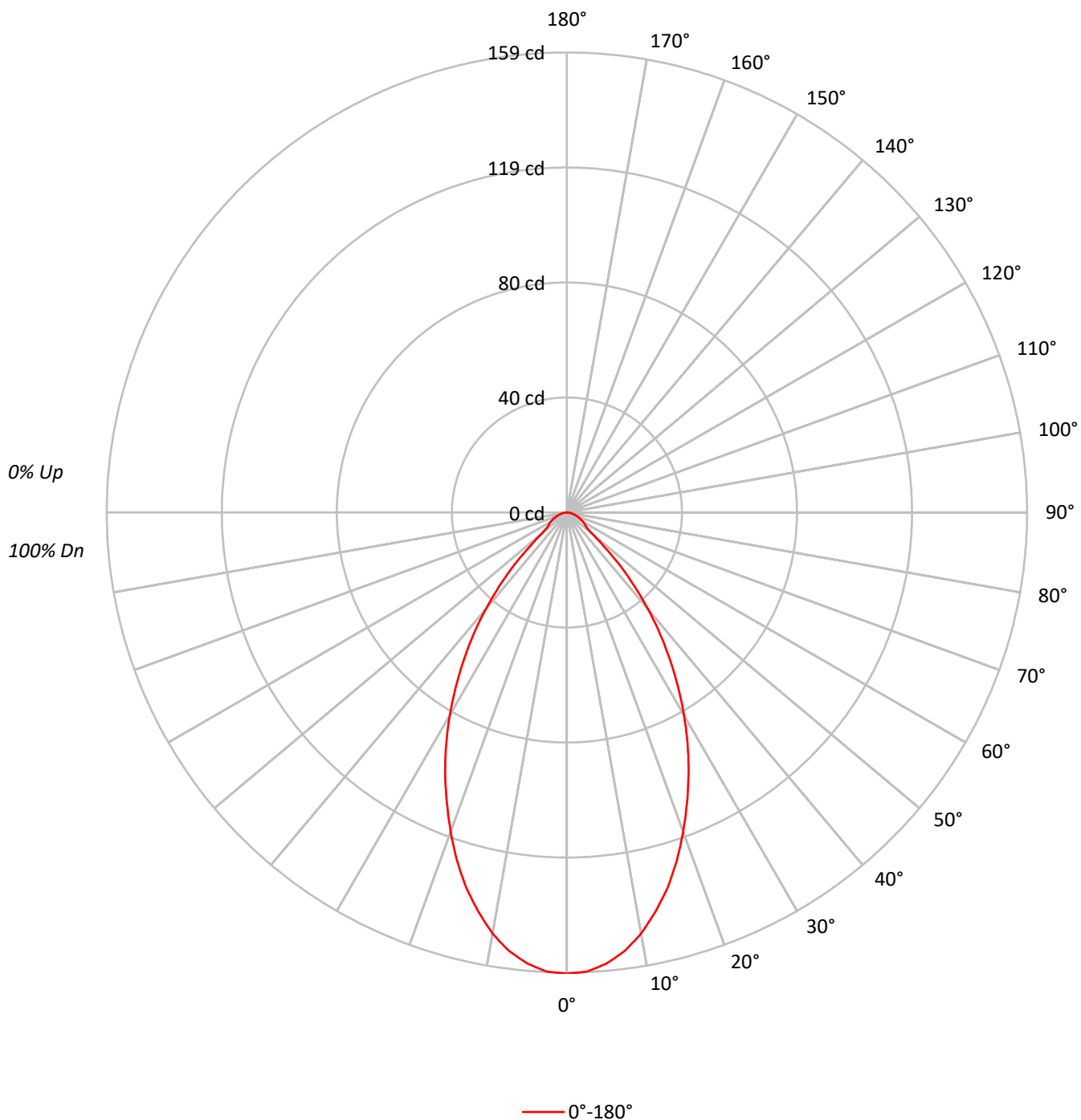
Lumens per Lamp: N/A
Luminaire Lumens: 172.0 lumens
Efficiency: N/A
Efficacy: 29.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1290049

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290049

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_4000K

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°	34953
5°	34449
10°	32910
15°	30488
20°	27396
25°	24074
30°	20484
35°	16597
40°	12481
45°	8032
50°	3821
55°	3020
60°	2851
65°	2646
70°	2372
75°	2203
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8032 cd/sqm

TEST NUMBER: P1290049

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	8.5
10°-20°	37.4	21.8
20°-30°	45.5	26.4
30°-40°	38.6	22.4
40°-50°	20.0	11.6
50°-60°	7.2	4.2
60°-70°	5.0	2.9
70°-80°	2.7	1.6
80°-90°	0.9	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°	97.6	56.7
0°-40°	136.2	79.1
0°-60°	163.4	95.0
0°-90°	172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	172.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	159	
5°	156	15
15°	134	37
25°	100	45
35°	62	39
45°	26	20
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1290049

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_4000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	159.4
2.5°	158.8
5°	156.5
7.5°	152.9
10°	147.8
12.5°	141.3
15°	134.3
17.5°	126.2
20°	117.4
22.5°	108.4
25°	99.5
27.5°	90.3
30°	80.9
32.5°	71.5
35°	62.0
37.5°	52.8
40°	43.6
42.5°	34.7
45°	25.9
47.5°	17.3
50°	11.2
52.5°	8.6
55°	7.9
57.5°	7.1
60°	6.5
62.5°	5.7
65°	5.1
67.5°	4.3
70°	3.7
72.5°	3.1
75°	2.6
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)