

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: P1290050

Luminaire Tested: P3A05R50W2N902750DE010 E3DLD1GPH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290050
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

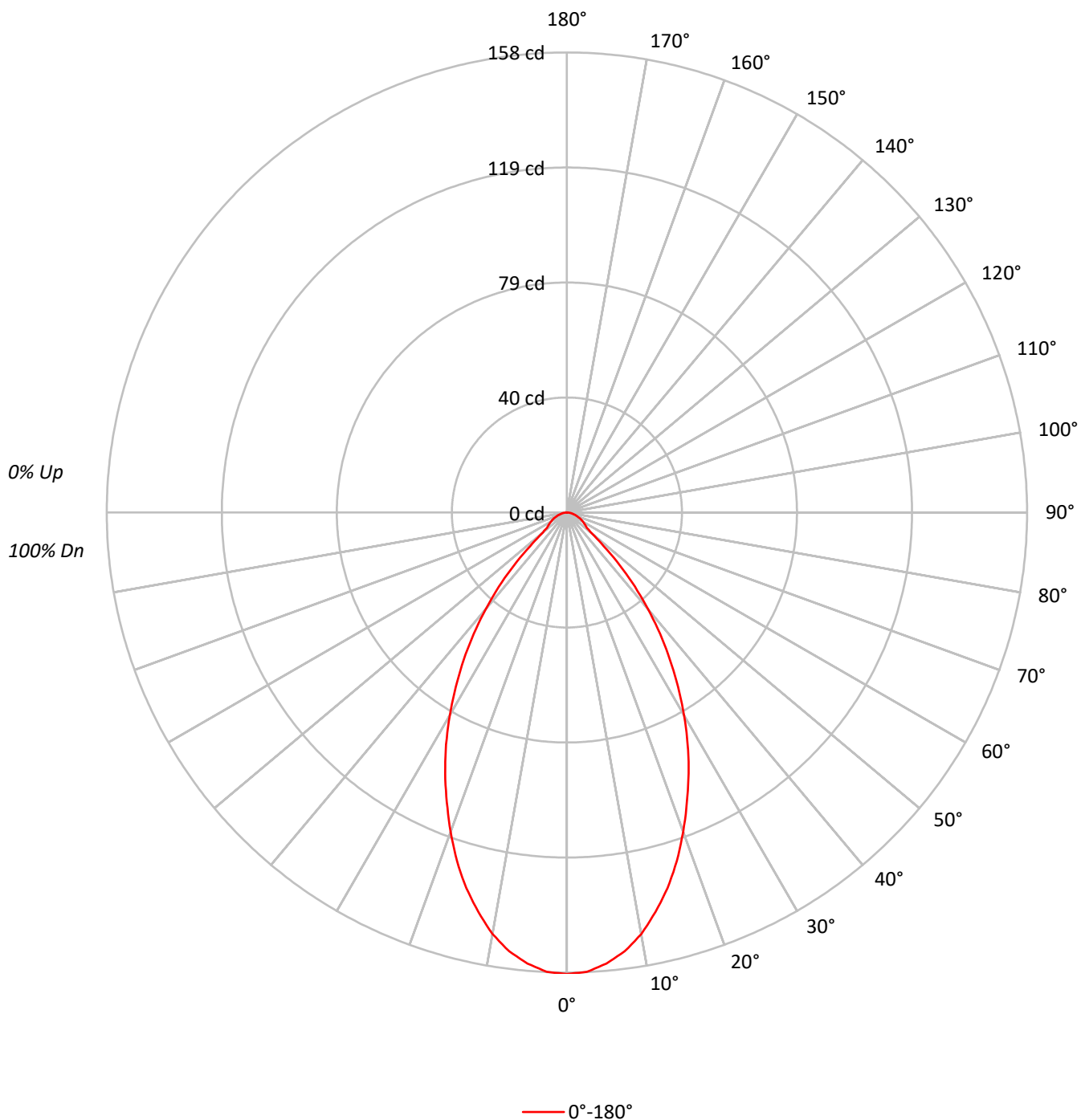
Lumens per Lamp: N/A
Luminaire Lumens: 171.0 lumens
Efficiency: N/A
Efficacy: 29.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290050

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290050

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_5000K

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63		
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34756
5°	34228
10°	32732
15°	30307
20°	27232
25°	23929
30°	20358
35°	16517
40°	12395
45°	8001
50°	3787
55°	2982
60°	2807
65°	2646
70°	2372
75°	2118
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8001 cd/sqm

TEST NUMBER: P1290050

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	8.5
10°-20°	37.2	21.8
20°-30°	45.2	26.4
30°-40°	38.3	22.4
40°-50°	19.9	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°	97.0	56.7
0°-40°	135.4	79.2
0°-60°	162.5	95.0
0°-90°	171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	171.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	158	
5°	156	15
15°	134	37
25°	99	45
35°	62	38
45°	26	20
55°	8	7
65°	5	5
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1290050

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLD1GPH_5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	158.5
2.5°	157.9
5°	155.5
7.5°	152.0
10°	147.0
12.5°	140.5
15°	133.5
17.5°	125.5
20°	116.7
22.5°	107.7
25°	98.9
27.5°	89.8
30°	80.4
32.5°	71.0
35°	61.7
37.5°	52.5
40°	43.3
42.5°	34.5
45°	25.8
47.5°	17.2
50°	11.1
52.5°	8.6
55°	7.8
57.5°	7.0
60°	6.4
62.5°	5.7
65°	5.1
67.5°	4.3
70°	3.7
72.5°	3.1
75°	2.5
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)