

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: P1290090

Luminaire Tested: P3A05R50W2N902750DE010 E3DLP1LI_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902750DE010 E3DLP1LI_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3DLP1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

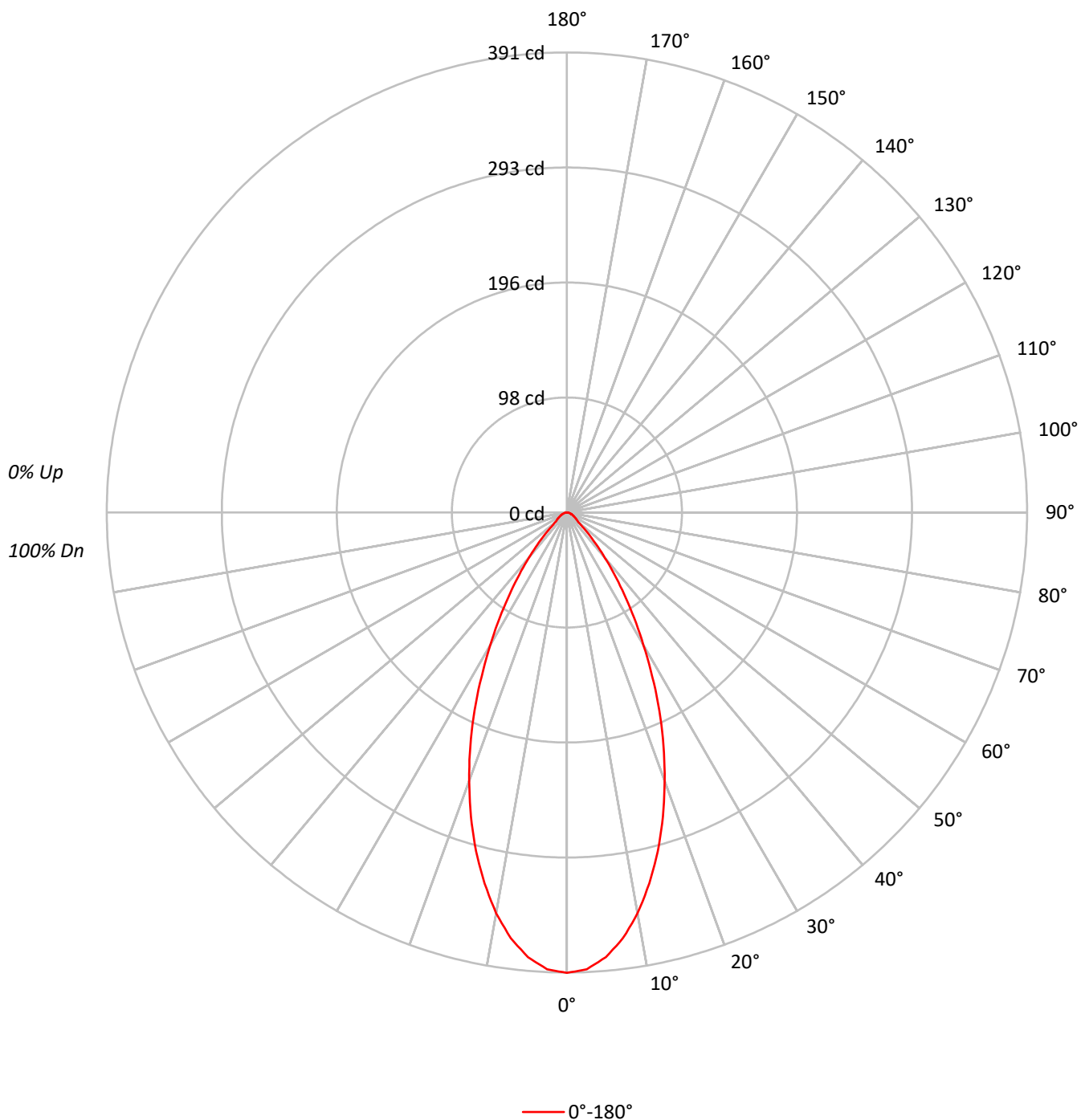
Lumens per Lamp: N/A
Luminaire Lumens: 295.1 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290090

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLP1LI_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1290090

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLP1LI_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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	106	103		104	102	100		100	99	97		97	95	94
2	107	102	98	94		105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	95	89	85		99	93	88	85		91	87	83		88	85	82		86	83	81
4	96	88	82	78		94	87	82	78		85	80	77		83	79	76		81	78	75
5	91	83	76	72		90	82	76	72		80	75	71		78	74	70		76	73	70
6	87	77	71	67		85	77	71	67		75	70	66		74	69	66		72	68	65
7	82	73	67	62		81	72	66	62		71	66	62		70	65	61		68	64	61
8	78	69	63	58		77	68	62	58		67	62	58		66	61	58		65	61	57
9	75	65	59	55		74	64	59	55		63	58	55		63	58	54		62	57	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85805
5°	83491
10°	76997
15°	67696
20°	56658
25°	44930
30°	32967
35°	22647
40°	14398
45°	8063
50°	4367
55°	3670
60°	3158
65°	2906
70°	2565
75°	2372
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8063 cd/sqm

TEST NUMBER: P1290090

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLP1LI_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	11.9
10°-20°	82.6	28.0
20°-30°	84.5	28.6
30°-40°	53.6	18.2
40°-50°	21.3	7.2
50°-60°	8.7	2.9
60°-70°	5.5	1.9
70°-80°	2.8	1.0
80°-90°	0.9	0.3
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°	202.2	68.5
0°-40°	255.8	86.7
0°-60°	285.8	96.9
0°-90°	295.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	295.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	391	
5°	379	35
15°	298	83
25°	186	84
35°	85	54
45°	26	21
55°	10	9
65°	6	6
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1290090

CATALOG NUMBER: P3A05R50W2N902750DE010 E3DLP1LI_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	391.3
2.5°	388.5
5°	379.3
7.5°	364.9
10°	345.8
12.5°	323.0
15°	298.2
17.5°	271.1
20°	242.8
22.5°	214.4
25°	185.7
27.5°	156.9
30°	130.2
32.5°	106.2
35°	84.6
37.5°	66.3
40°	50.3
42.5°	37.1
45°	26.0
47.5°	17.6
50°	12.8
52.5°	10.8
55°	9.6
57.5°	8.4
60°	7.2
62.5°	6.4
65°	5.6
67.5°	4.8
70°	4.0
72.5°	3.2
75°	2.8
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)