

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: P1289923

Luminaire Tested: P3A05R45W2N902765DE010 E3DLD1WMH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R45W2N902765DE010 E3DLD1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

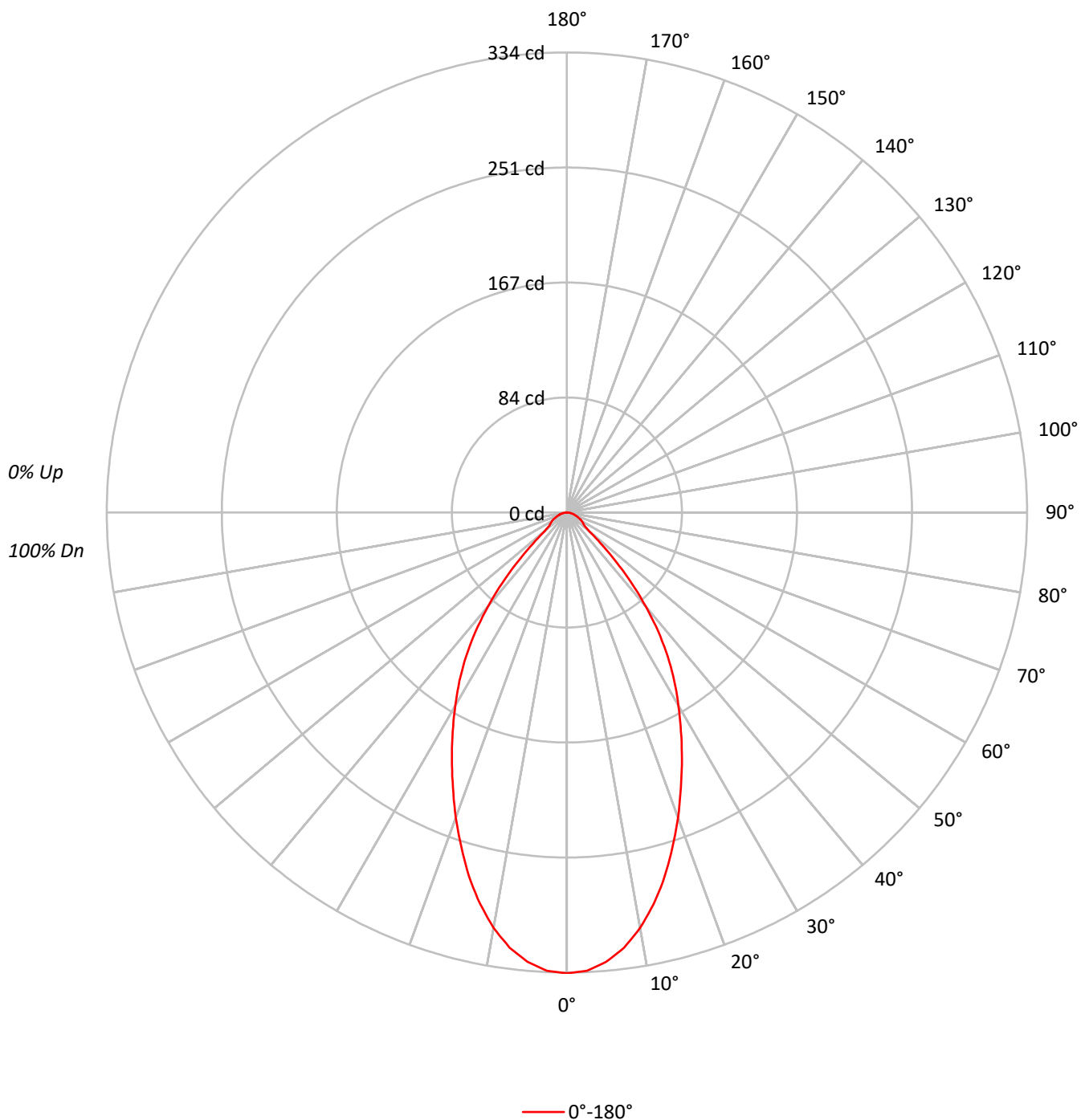
Lumens per Lamp: N/A
Luminaire Lumens: 346.1 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289923

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1289923

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1WMH_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93		91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85		83
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83	80	77		75
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77	74	71		69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72	68	65		63
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68	63	60		58
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64	59	55		54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52		50
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56	52	48		47
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53	48	45		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73349
5°	72067
10°	68180
15°	62180
20°	55001
25°	47761
30°	40994
35°	34158
40°	25448
45°	15568
50°	7198
55°	5658
60°	5438
65°	4981
70°	4616
75°	4406
80°	4041
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15568 cd/sqm

TEST NUMBER: P1289923

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	8.8
10°-20°	76.3	22.0
20°-30°	90.6	26.2
30°-40°	78.7	22.8
40°-50°	39.5	11.4
50°-60°	13.7	4.0
60°-70°	9.6	2.8
70°-80°	5.4	1.6
80°-90°	1.6	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°	197.5	57.1
0°-40°	276.2	79.8
0°-60°	329.4	95.2
0°-90°	346.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	346.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	334	
5°	327	31
15°	274	76
25°	197	91
35°	128	79
45°	50	39
55°	15	14
65°	10	10
75°	5	5
85°	1	2
90°	0	

TEST NUMBER: P1289923

CATALOG NUMBER: P3A05R45W2N902765DE010 E3DLD1WMH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	334.5
2.5°	333.0
5°	327.4
7.5°	318.6
10°	306.2
12.5°	291.1
15°	273.9
17.5°	254.8
20°	235.7
22.5°	216.1
25°	197.4
27.5°	179.4
30°	161.9
32.5°	145.1
35°	127.6
37.5°	108.9
40°	88.9
42.5°	69.4
45°	50.2
47.5°	33.1
50°	21.1
52.5°	16.3
55°	14.8
57.5°	13.6
60°	12.4
62.5°	11.2
65°	9.6
67.5°	8.4
70°	7.2
72.5°	6.0
75°	5.2
77.5°	4.0
80°	3.2
82.5°	2.4
85°	1.2
87.5°	0.8
90°	0.0

(END OF REPORT)