

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: P1293573

Luminaire Tested: P3A09R45W2N902750DE010 E3DLD1WMH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293573
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: P3A09R45W2N902750DE010 E3DLD1WMH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

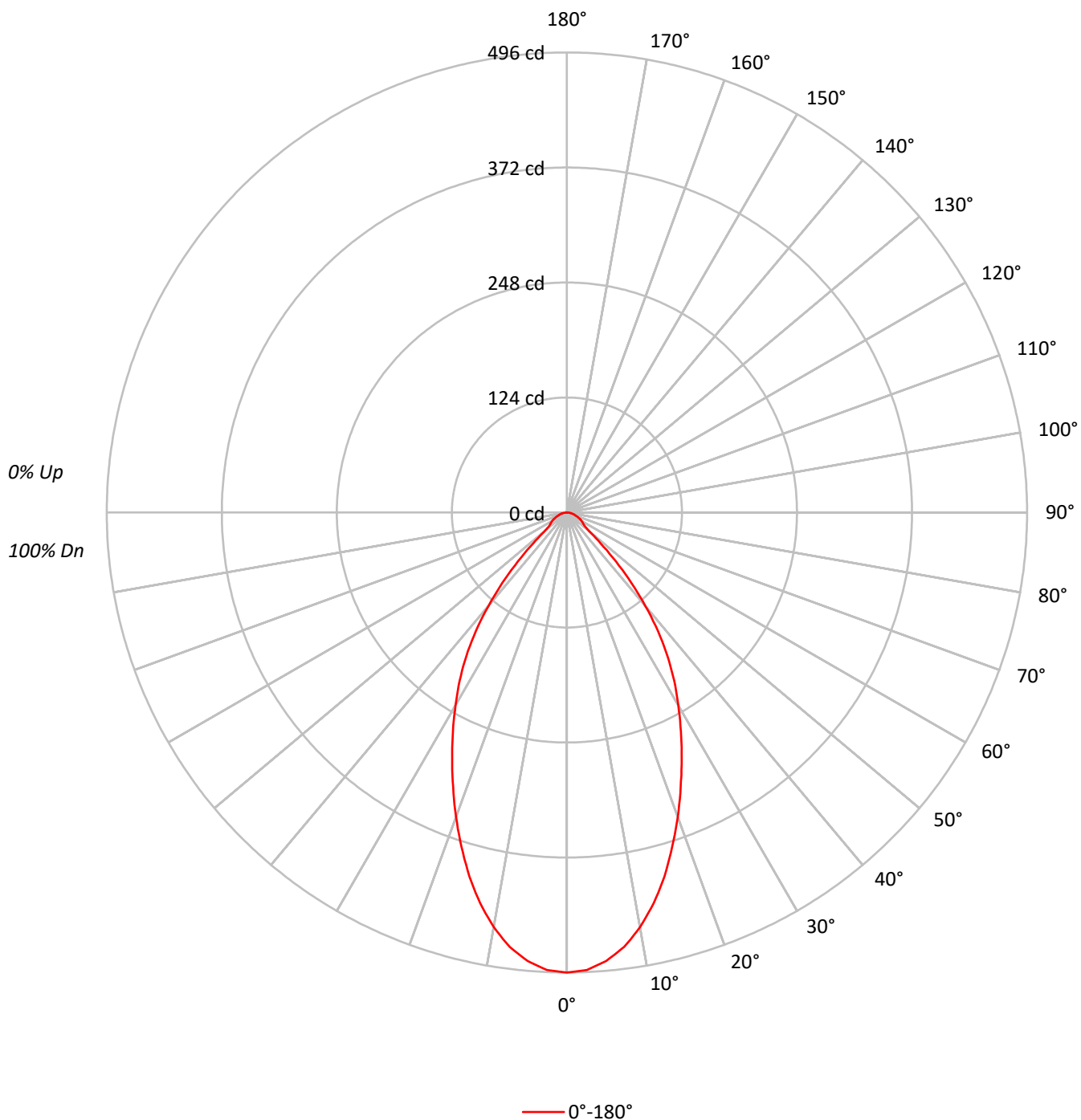
Lumens per Lamp: N/A
Luminaire Lumens: 513.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



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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°	108763
5°	106845
10°	101089
15°	92214
20°	81534
25°	70794
30°	60769
35°	50647
40°	37728
45°	23103
50°	10678
55°	8372
60°	8026
65°	7368
70°	6796
75°	6524
80°	5935
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 23103 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	8.8
10°-20°	113.1	22.0
20°-30°	134.3	26.2
30°-40°	116.7	22.8
40°-50°	58.5	11.4
50°-60°	20.3	4.0
60°-70°	14.3	2.8
70°-80°	8.0	1.5
80°-90°	2.4	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°	292.8	57.1
0°-40°	409.5	79.8
0°-60°	488.4	95.2
0°-90°	513.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	513.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	496	
5°	485	45
15°	406	113
25°	293	134
35°	189	117
45°	74	59
55°	22	20
65°	14	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	496.0
2.5°	493.7
5°	485.4
7.5°	472.4
10°	454.0
12.5°	431.6
15°	406.2
17.5°	377.8
20°	349.4
22.5°	320.4
25°	292.6
27.5°	266.0
30°	240.0
32.5°	215.2
35°	189.2
37.5°	161.4
40°	131.8
42.5°	102.9
45°	74.5
47.5°	49.1
50°	31.3
52.5°	24.2
55°	21.9
57.5°	20.1
60°	18.3
62.5°	16.6
65°	14.2
67.5°	12.4
70°	10.6
72.5°	8.9
75°	7.7
77.5°	5.9
80°	4.7
82.5°	3.5
85°	1.8
87.5°	1.2
90°	0.0

(END OF REPORT)