

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: P1293441

Luminaire Tested: P3A09R40W2N902765DE010 E3DLD1WMH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R40W2N902765DE010 E3DLD1WMH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

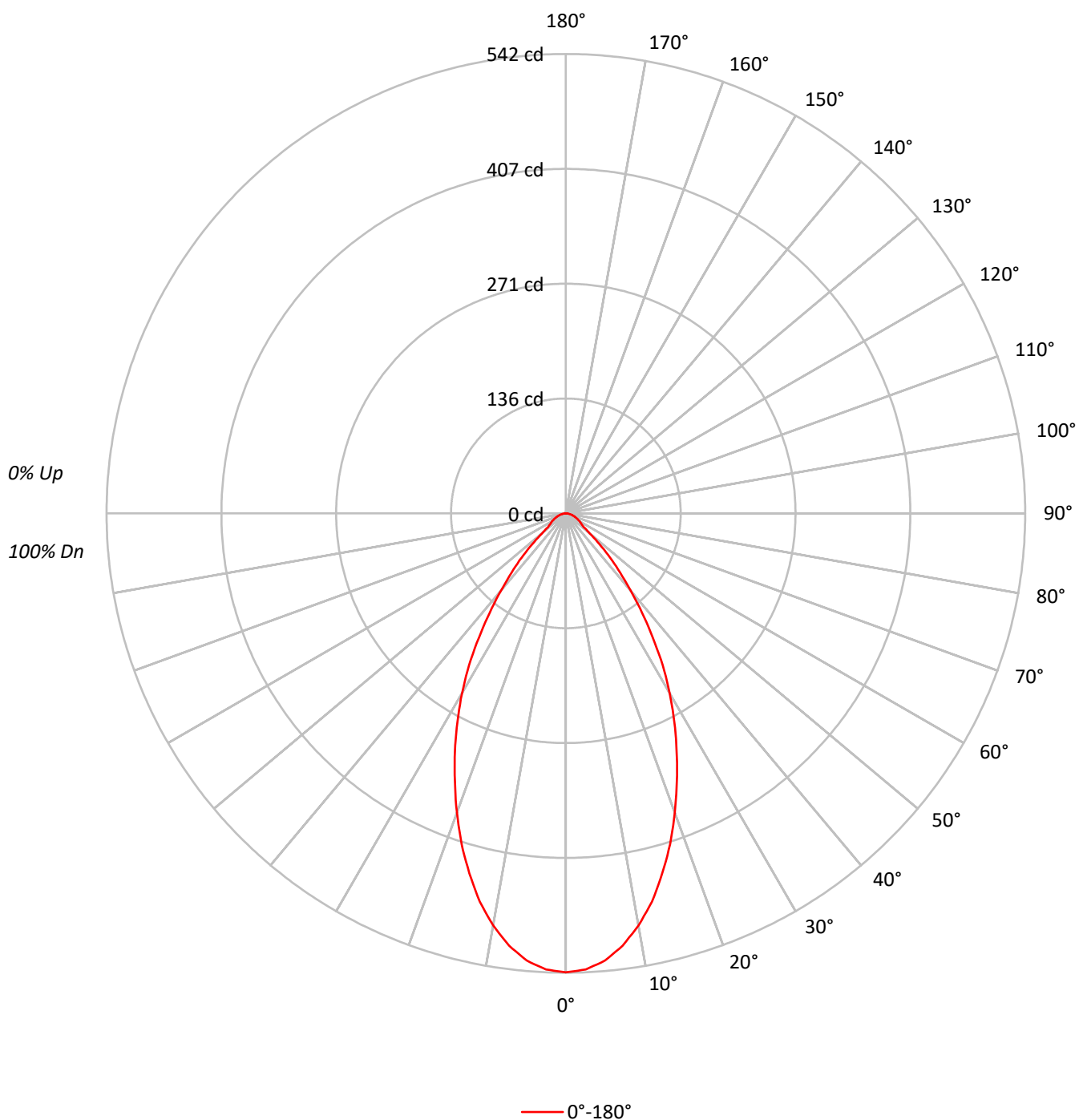
Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	98	96		96	94	93		91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85		83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78		76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71		69
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73	69	66		64
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68	64	61		59
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64	60	56		55
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61	56	52		51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49		48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118740
5°	116597
10°	109907
15°	99819
20°	87694
25°	74883
30°	62035
35°	47837
40°	34064
45°	22948
50°	12520
55°	8831
60°	8289
65°	7679
70°	6860
75°	6524
80°	5177
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	9.3
10°-20°	122.5	23.2
20°-30°	141.6	26.8
30°-40°	111.6	21.1
40°-50°	57.3	10.8
50°-60°	21.9	4.1
60°-70°	14.5	2.7
70°-80°	7.9	1.5
80°-90°	2.4	0.4
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°	313.5	59.3
0°-40°	425.1	80.4
0°-60°	504.3	95.3
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	542	
5°	530	49
15°	440	122
25°	310	142
35°	179	112
45°	74	57
55°	23	22
65°	15	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	541.5
2.5°	538.6
5°	529.7
7.5°	514.3
10°	493.6
12.5°	469.3
15°	439.7
17.5°	409.0
20°	375.8
22.5°	342.1
25°	309.5
27.5°	277.0
30°	245.0
32.5°	212.5
35°	178.7
37.5°	147.4
40°	119.0
42.5°	94.7
45°	74.0
47.5°	53.9
50°	36.7
52.5°	26.6
55°	23.1
57.5°	20.7
60°	18.9
62.5°	16.6
65°	14.8
67.5°	12.4
70°	10.7
72.5°	8.9
75°	7.7
77.5°	5.9
80°	4.1
82.5°	3.6
85°	1.8
87.5°	1.2
90°	0.0

(END OF REPORT)