

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: P1292300

Luminaire Tested: P3A09R25W2N902750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R25W2N902750DE010 E3PHLD1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

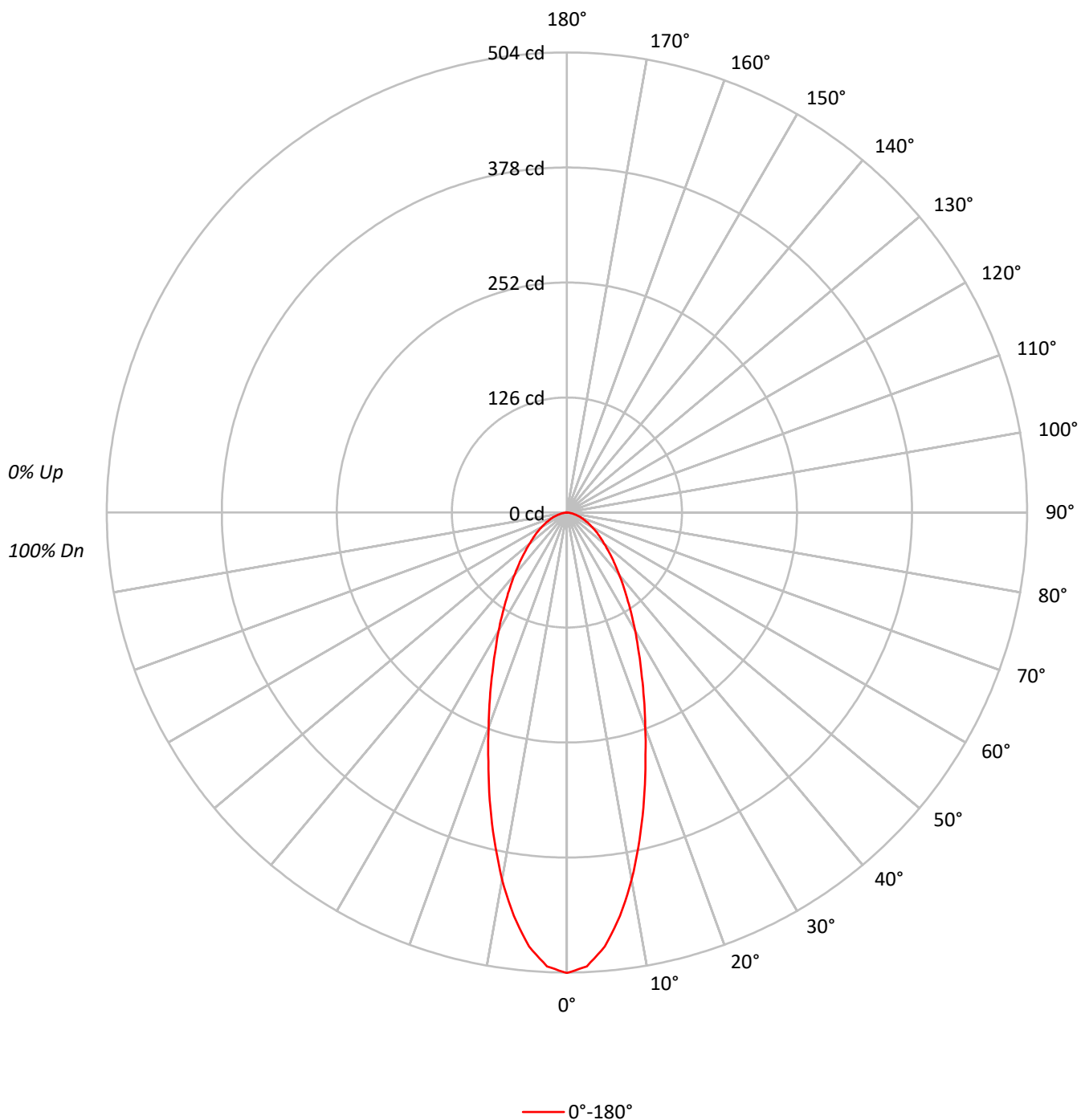
Lumens per Lamp: N/A
Luminaire Lumens: 424.0 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.71
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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	108	105	102	109	106	103	100	102	99	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	86	76	68	63	84	75	68	63	73	67	62		71	66	62		69	65	61	59
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53		62	56	52		61	56	52	50
8	72	61	54	49	71	60	54	49	59	53	49		58	53	49		57	52	48	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	65	54	47	43	64	53	47	43	52	47	43		52	46	43		51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110627
5°	105018
10°	90958
15°	74053
20°	58502
25°	46648
30°	37829
35°	30811
40°	25534
45°	21522
50°	18183
55°	16019
60°	14034
65°	12245
70°	10771
75°	9065
80°	6693
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	10.2
10°-20°	90.4	21.3
20°-30°	89.1	21.0
30°-40°	72.6	17.1
40°-50°	53.9	12.7
50°-60°	37.6	8.9
60°-70°	23.5	5.5
70°-80°	11.3	2.7
80°-90°	2.2	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°	222.9	52.6
0°-40°	295.5	69.7
0°-60°	387.0	91.3
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	504	
5°	477	43
15°	326	90
25°	193	89
35°	115	73
45°	69	54
55°	42	38
65°	24	24
75°	11	11
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	504.5
2.5°	497.7
5°	477.1
7.5°	445.8
10°	408.5
12.5°	367.3
15°	326.2
17.5°	285.8
20°	250.7
22.5°	220.2
25°	192.8
27.5°	169.2
30°	149.4
32.5°	131.1
35°	115.1
37.5°	101.4
40°	89.2
42.5°	78.5
45°	69.4
47.5°	61.0
50°	53.3
52.5°	47.3
55°	41.9
57.5°	36.6
60°	32.0
62.5°	27.4
65°	23.6
67.5°	19.8
70°	16.8
72.5°	13.7
75°	10.7
77.5°	7.6
80°	5.3
82.5°	3.0
85°	1.5
87.5°	0.8
90°	0.0

(END OF REPORT)