

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: P1292987

Luminaire Tested: P3A09R35W2N902750DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R35W2N902750DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

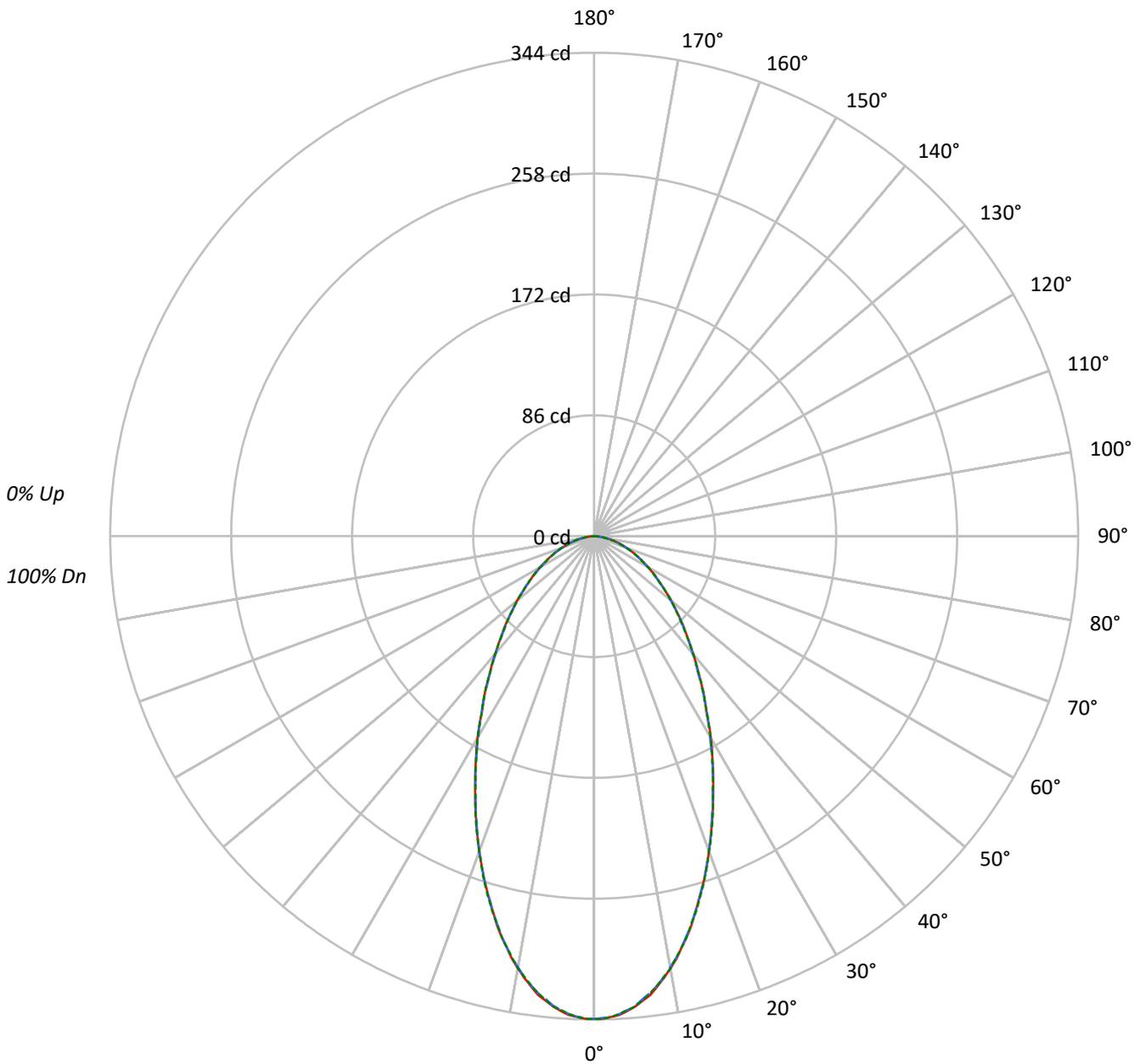
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 459.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 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



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75345	75345	75345
5°	73938	73806	73938
10°	69516	69382	69516
15°	62929	62929	63065
20°	55702	55702	55702
25°	48438	48293	48293
30°	42006	41703	41855
35°	36165	36005	36165
40°	31373	31201	31373
45°	27569	27383	27383
50°	24460	24255	24255
55°	21524	21524	21524
60°	19472	19209	19472
65°	17538	17538	17538
70°	15580	15580	15580
75°	14064	13556	14064
80°	11996	11996	11996
85°	7548	7548	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	6.8
10°-20°	77.3	16.8
20°-30°	91.9	20.0
30°-40°	84.4	18.4
40°-50°	68.6	14.9
50°-60°	50.7	11.1
60°-70°	33.5	7.3
70°-80°	17.4	3.8
80°-90°	3.9	0.9
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°	200.5	43.7
0°-40°	284.9	62.1
0°-60°	404.2	88.1
0°-90°	459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	344	344	344	344	344	
5°	336	335	335	335	336	31
15°	277	277	277	277	278	77
25°	200	200	200	200	200	92
35°	135	134	134	135	135	85
45°	89	88	88	88	88	69
55°	56	56	56	56	56	51
65°	34	34	34	34	34	34
75°	17	17	16	17	17	18
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	343.6	343.6	343.6	343.6	343.6
1°	343.6	343.0	343.0	343.0	343.6
2°	342.4	342.4	342.4	342.4	342.4
3°	341.2	340.6	340.6	340.6	340.6
4°	338.8	338.2	338.2	338.2	338.2
5°	335.9	335.3	335.3	335.3	335.9
6°	332.3	331.7	331.1	331.1	331.7
7°	328.8	327.6	327.6	327.6	327.6
8°	323.4	322.8	322.8	322.8	322.8
9°	318.1	316.9	317.5	317.5	317.5
10°	312.2	311.6	311.6	311.6	312.2
11°	306.3	305.7	305.7	305.1	305.7
12°	299.2	299.2	299.2	299.2	299.2
13°	292.6	292.0	292.0	292.0	292.6
14°	285.5	284.9	284.9	284.9	284.9
15°	277.2	277.2	277.2	277.2	277.8
17.5°	258.3	257.7	258.3	258.3	258.9
20°	238.7	238.1	238.7	238.7	238.7
22.5°	219.2	219.2	218.6	219.2	219.8
25°	200.2	199.6	199.6	200.2	199.6
27.5°	182.5	181.9	181.9	181.9	181.9
30°	165.9	164.7	164.7	165.3	165.3
32.5°	148.7	148.7	149.3	148.7	148.7
35°	135.1	134.5	134.5	135.1	135.1
37.5°	121.4	120.8	120.8	121.4	121.4
40°	109.6	109.6	109.0	109.6	109.6
42.5°	98.3	98.3	98.3	98.3	98.3
45°	88.9	88.3	88.3	88.3	88.3
47.5°	79.4	79.4	79.4	78.8	79.4
50°	71.7	71.1	71.1	71.1	71.1
52.5°	63.4	63.4	63.4	63.4	63.4
55°	56.3	56.3	56.3	56.3	56.3
57.5°	50.4	49.8	49.8	49.8	49.8
60°	44.4	44.4	43.8	44.4	44.4
62.5°	38.5	38.5	38.5	38.5	38.5
65°	33.8	33.8	33.8	33.8	33.8
67.5°	29.0	29.0	29.0	29.0	29.0
70°	24.3	24.3	24.3	24.3	24.3
72.5°	20.7	20.1	20.1	20.1	20.1
75°	16.6	16.6	16.0	16.6	16.6
77.5°	12.4	12.4	12.4	12.4	12.4
80°	9.5	9.5	9.5	8.9	9.5
82.5°	5.9	5.9	5.9	5.9	5.9
85°	3.0	3.0	3.0	3.0	3.0
87.5°	0.6	0.6	0.6	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)