

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: P1300571

Luminaire Tested: P3A17R35W2N902750DE010 E3PH1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

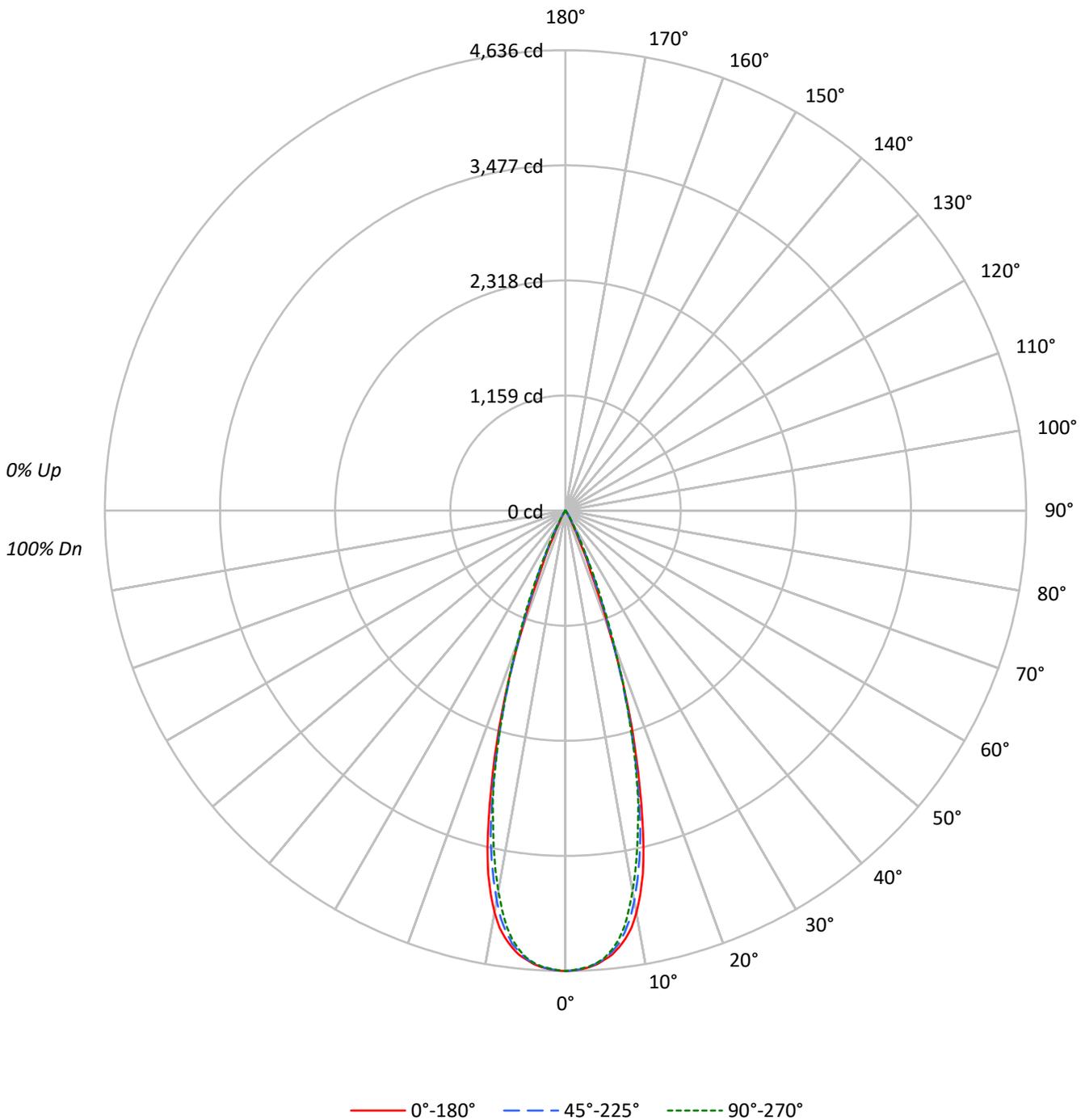
Test Method: LM-79-2019  
Report Number: P1300571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R35W2N902750DE010 E3PH1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,  
E3PH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1407.0 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1016498	1016498	1016498
5°	999029	996894	994759
10°	915592	888071	866495
15°	655622	634714	627018
20°	304013	314491	325505
25°	72125	102635	107014
30°	21168	24232	27321
35°	4872	7790	7147
40°	1031	2090	1374
45°	372	372	372
50°	409	0	409
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 432 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.2	29.6
10°-20°	744.0	52.9
20°-30°	223.8	15.9
30°-40°	21.4	1.5
40°-50°	1.5	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1384.0	98.4
0°-40°	1405.4	99.9
0°-60°	1407.0	100.0
0°-90°	1407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4636	4636	4636	4636	4636	
5°	4539	4537	4529	4523	4519	421
15°	2888	2866	2796	2784	2762	763
25°	298	328	424	442	442	192
35°	18	24	29	32	27	17
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4635.6	4635.6	4635.6	4635.6	4635.6
1°	4633.2	4633.2	4630.7	4630.7	4625.9
2°	4622.2	4623.5	4618.6	4617.4	4613.8
3°	4605.3	4601.6	4601.6	4599.2	4596.8
4°	4578.6	4571.3	4568.9	4570.1	4565.3
5°	4538.6	4537.4	4528.9	4522.9	4519.2
6°	4495.0	4486.5	4468.3	4452.6	4448.9
7°	4429.6	4411.4	4395.6	4362.9	4358.0
8°	4349.6	4320.5	4286.5	4240.5	4238.1
9°	4251.4	4204.1	4156.9	4095.1	4073.2
10°	4112.0	4068.4	3988.4	3933.9	3891.5
11°	3938.7	3884.2	3790.9	3725.4	3690.3
12°	3742.4	3691.5	3582.4	3523.0	3473.4
13°	3490.3	3447.9	3346.1	3280.7	3241.9
14°	3198.2	3166.7	3069.8	3040.7	3027.4
15°	2888.0	2866.2	2795.9	2783.8	2762.0
17.5°	2125.7	2089.3	2049.3	2056.6	2063.9
20°	1302.8	1353.7	1347.7	1374.3	1394.9
22.5°	649.6	715.0	791.4	837.4	860.5
25°	298.1	328.4	424.2	442.3	442.3
27.5°	150.3	157.5	200.0	203.6	213.3
30°	83.6	89.7	95.7	106.6	107.9
32.5°	42.4	49.7	52.1	58.2	55.7
35°	18.2	24.2	29.1	31.5	26.7
37.5°	8.5	10.9	15.8	14.5	10.9
40°	3.6	4.8	7.3	6.1	4.8
42.5°	2.4	2.4	3.6	2.4	2.4
45°	1.2	1.2	1.2	1.2	1.2
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	0.0	0.0	0.0	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)