

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: P1300576

Luminaire Tested: P3A17R35W2N902750DE010 E3PHLD1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

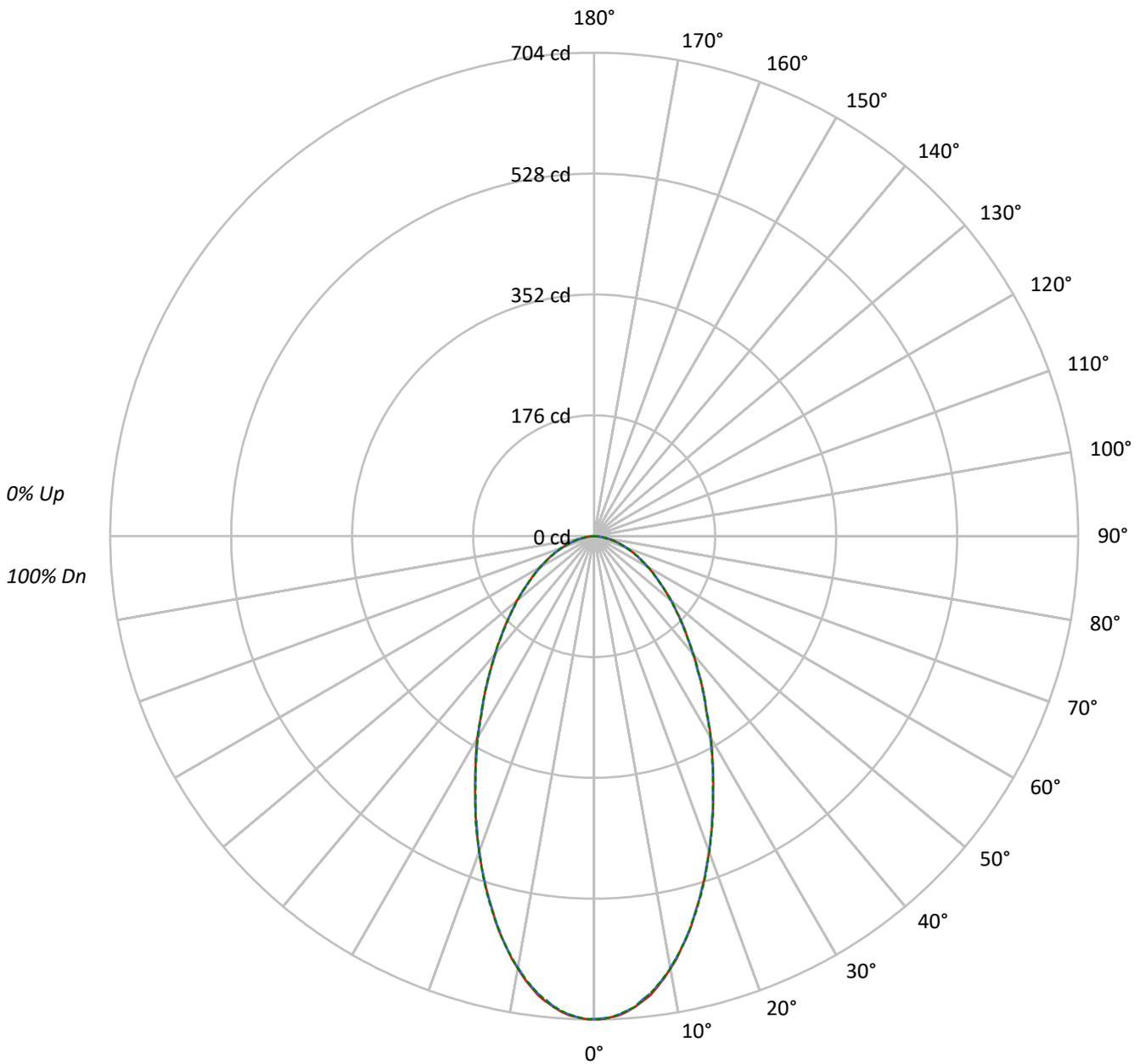
Test Method: LM-79-2019  
Report Number: P1300576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R35W2N902750DE010 E3PHLD1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 940.0 lumens  
Efficiency: N/A  
Efficacy: 48.5 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): 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



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

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

	0°	45°	90°
0°	154286	154286	154286
5°	151419	151133	151419
10°	142349	142082	142349
15°	128900	128900	129172
20°	114087	114087	114087
25°	99199	98909	98909
30°	86013	85406	85709
35°	74044	73722	74044
40°	64235	63891	64235
45°	56440	56068	56068
50°	50079	49670	49670
55°	44041	44041	44041
60°	39909	39383	39909
65°	35853	35853	35853
70°	31864	31864	31864
75°	28806	27789	28806
80°	24498	24498	24498
85°	15347	15347	15347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 56440 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.0	6.8
10°-20°	158.4	16.8
20°-30°	188.2	20.0
30°-40°	172.9	18.4
40°-50°	140.4	14.9
50°-60°	103.9	11.1
60°-70°	68.6	7.3
70°-80°	35.6	3.8
80°-90°	8.0	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°	410.6	43.7
0°-40°	583.5	62.1
0°-60°	827.8	88.1
0°-90°	940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	688	687	687	687	688	64
15°	568	568	568	568	569	158
25°	410	409	409	410	409	189
35°	277	275	275	277	277	173
45°	182	181	181	181	181	141
55°	115	115	115	115	115	104
65°	69	69	69	69	69	69
75°	34	34	33	34	34	36
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	703.6	703.6	703.6	703.6	703.6
1°	703.6	702.4	702.4	702.4	703.6
2°	701.2	701.2	701.2	701.2	701.2
3°	698.8	697.6	697.6	697.6	697.6
4°	693.9	692.7	692.7	692.7	692.7
5°	687.9	686.6	686.6	686.6	687.9
6°	680.6	679.4	678.1	678.1	679.4
7°	673.3	670.9	670.9	670.9	670.9
8°	662.4	661.2	661.2	661.2	661.2
9°	651.5	649.0	650.2	650.2	650.2
10°	639.3	638.1	638.1	638.1	639.3
11°	627.2	626.0	626.0	624.8	626.0
12°	612.6	612.6	612.6	612.6	612.6
13°	599.3	598.1	598.1	598.1	599.3
14°	584.7	583.5	583.5	583.5	583.5
15°	567.8	567.8	567.8	567.8	569.0
17.5°	528.9	527.7	528.9	528.9	530.1
20°	488.9	487.7	488.9	488.9	488.9
22.5°	448.9	448.9	447.7	448.9	450.1
25°	410.0	408.8	408.8	410.0	408.8
27.5°	373.6	372.4	372.4	372.4	372.4
30°	339.7	337.3	337.3	338.5	338.5
32.5°	304.5	304.5	305.7	304.5	304.5
35°	276.6	275.4	275.4	276.6	276.6
37.5°	248.7	247.5	247.5	248.7	248.7
40°	224.4	224.4	223.2	224.4	224.4
42.5°	201.4	201.4	201.4	201.4	201.4
45°	182.0	180.8	180.8	180.8	180.8
47.5°	162.6	162.6	162.6	161.3	162.6
50°	146.8	145.6	145.6	145.6	145.6
52.5°	129.8	129.8	129.8	129.8	129.8
55°	115.2	115.2	115.2	115.2	115.2
57.5°	103.1	101.9	101.9	101.9	101.9
60°	91.0	91.0	89.8	91.0	91.0
62.5°	78.9	78.9	78.9	78.9	78.9
65°	69.1	69.1	69.1	69.1	69.1
67.5°	59.4	59.4	59.4	59.4	59.4
70°	49.7	49.7	49.7	49.7	49.7
72.5°	42.5	41.2	41.2	41.2	41.2
75°	34.0	34.0	32.8	34.0	34.0
77.5°	25.5	25.5	25.5	25.5	25.5
80°	19.4	19.4	19.4	18.2	19.4
82.5°	12.1	12.1	12.1	12.1	12.1
85°	6.1	6.1	6.1	6.1	6.1
87.5°	1.2	1.2	1.2	2.4	2.4



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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)