

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: P1296781

Luminaire Tested: P3AS13R35W2N902750DE010 E3PHLD1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

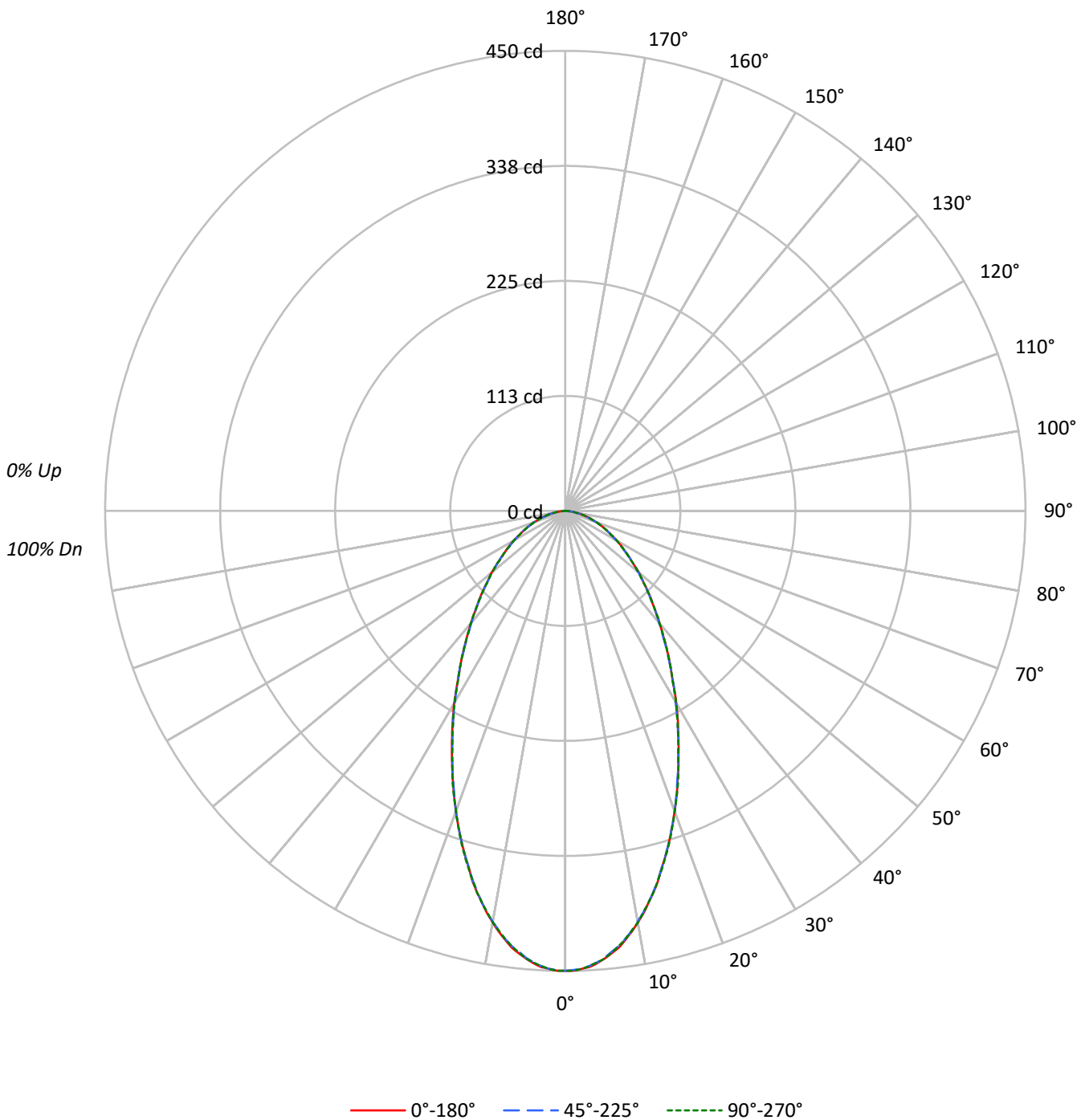
Test Method: LM-79-2019  
Report Number: P1296781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS13R35W2N902750DE010 E3PHLD1MW\_3500K  
Description: 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: 601.0 lumens  
Efficiency: N/A  
Efficacy: 48.9 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): 12.3  
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

TEST NUMBER: P1296781  
CATALOG NUMBER: P3AS13R35W2N902750DE010 E3PHLD1MW\_3500K

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

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

	0°	45°	90°
0°	98654	98654	98654
5°	96808	96632	96808
10°	91025	90847	91025
15°	82407	82407	82588
20°	72946	72946	72946
25°	63439	63246	63246
30°	54996	54591	54793
35°	47328	47141	47328
40°	41077	40848	41077
45°	36066	35849	35849
50°	32033	31760	31760
55°	28176	28176	28176
60°	25524	25173	25524
65°	22934	22934	22934
70°	20388	20388	20388
75°	18385	17707	18385
80°	15659	15659	15659
85°	9812	9812	9812

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 36066 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	6.8
10°-20°	101.3	16.8
20°-30°	120.3	20.0
30°-40°	110.6	18.4
40°-50°	89.8	14.9
50°-60°	66.4	11.1
60°-70°	43.9	7.3
70°-80°	22.7	3.8
80°-90°	5.1	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°	262.5	43.7
0°-40°	373.1	62.1
0°-60°	529.3	88.1
0°-90°	601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	601.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	440	439	439	439	440	41
15°	363	363	363	363	364	101
25°	262	261	261	262	261	121
35°	177	176	176	177	177	111
45°	116	116	116	116	116	90
55°	74	74	74	74	74	67
65°	44	44	44	44	44	44
75°	22	22	21	22	22	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	449.9	449.9	449.9	449.9	449.9
1°	449.9	449.1	449.1	449.1	449.9
2°	448.3	448.3	448.3	448.3	448.3
3°	446.8	446.0	446.0	446.0	446.0
4°	443.7	442.9	442.9	442.9	442.9
5°	439.8	439.0	439.0	439.0	439.8
6°	435.1	434.4	433.6	433.6	434.4
7°	430.5	428.9	428.9	428.9	428.9
8°	423.5	422.7	422.7	422.7	422.7
9°	416.5	415.0	415.7	415.7	415.7
10°	408.8	408.0	408.0	408.0	408.8
11°	401.0	400.2	400.2	399.5	400.2
12°	391.7	391.7	391.7	391.7	391.7
13°	383.2	382.4	382.4	382.4	383.2
14°	373.9	373.1	373.1	373.1	373.1
15°	363.0	363.0	363.0	363.0	363.8
17.5°	338.2	337.4	338.2	338.2	339.0
20°	312.6	311.8	312.6	312.6	312.6
22.5°	287.0	287.0	286.2	287.0	287.8
25°	262.2	261.4	261.4	262.2	261.4
27.5°	238.9	238.1	238.1	238.1	238.1
30°	217.2	215.6	215.6	216.4	216.4
32.5°	194.7	194.7	195.5	194.7	194.7
35°	176.8	176.1	176.1	176.8	176.8
37.5°	159.0	158.2	158.2	159.0	159.0
40°	143.5	143.5	142.7	143.5	143.5
42.5°	128.8	128.8	128.8	128.8	128.8
45°	116.3	115.6	115.6	115.6	115.6
47.5°	103.9	103.9	103.9	103.2	103.9
50°	93.9	93.1	93.1	93.1	93.1
52.5°	83.0	83.0	83.0	83.0	83.0
55°	73.7	73.7	73.7	73.7	73.7
57.5°	65.9	65.2	65.2	65.2	65.2
60°	58.2	58.2	57.4	58.2	58.2
62.5°	50.4	50.4	50.4	50.4	50.4
65°	44.2	44.2	44.2	44.2	44.2
67.5°	38.0	38.0	38.0	38.0	38.0
70°	31.8	31.8	31.8	31.8	31.8
72.5°	27.1	26.4	26.4	26.4	26.4
75°	21.7	21.7	20.9	21.7	21.7
77.5°	16.3	16.3	16.3	16.3	16.3
80°	12.4	12.4	12.4	11.6	12.4
82.5°	7.8	7.8	7.8	7.8	7.8
85°	3.9	3.9	3.9	3.9	3.9
87.5°	0.8	0.8	0.8	1.6	1.6



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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)