

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: P1296950

Luminaire Tested: P3A13R35W2N902765DE010 E3PHLD1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

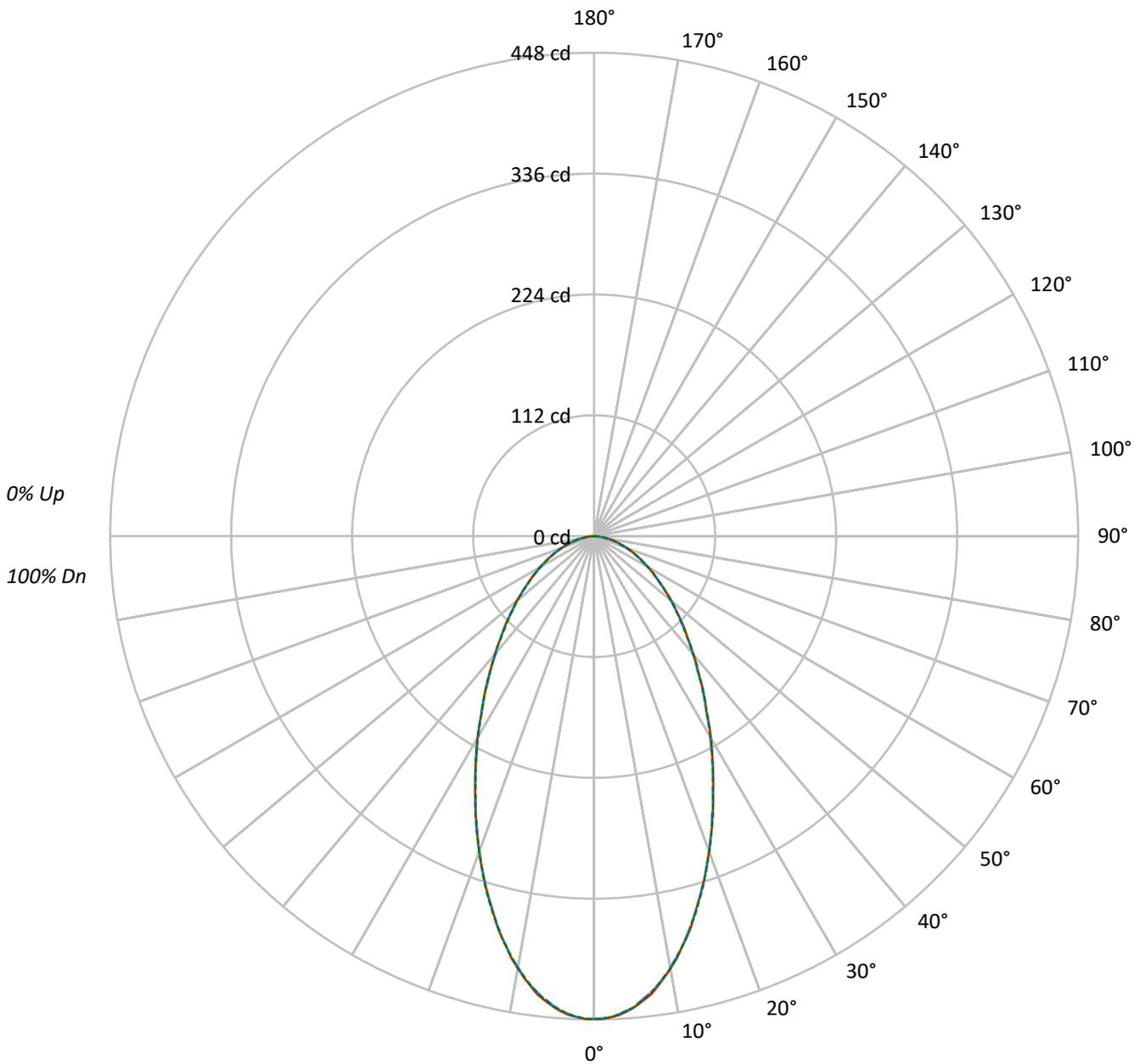
Test Method: LM-79-2019  
Report Number: P1296950  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R35W2N902765DE010 E3PHLD1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 6500K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 598.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 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

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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	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	65	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°	98150	98150	98150
5°	96324	96148	96324
10°	90557	90401	90557
15°	81998	81998	82180
20°	72573	72573	72573
25°	63125	62931	62931
30°	54717	54337	54515
35°	47114	46900	47114
40°	40877	40648	40877
45°	35911	35663	35663
50°	31862	31590	31590
55°	28023	28023	28023
60°	25393	25042	25393
65°	22830	22830	22830
70°	20260	20260	20260
75°	18300	17622	18300
80°	15532	15532	15532
85°	9812	9812	9812

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 35911 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.7	6.8
10°-20°	100.8	16.8
20°-30°	119.7	20.0
30°-40°	110.0	18.4
40°-50°	89.3	14.9
50°-60°	66.1	11.1
60°-70°	43.7	7.3
70°-80°	22.6	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°	261.2	43.7
0°-40°	371.2	62.1
0°-60°	526.6	88.1
0°-90°	598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	438	437	437	437	438	41
15°	361	361	361	361	362	101
25°	261	260	260	261	260	120
35°	176	175	175	176	176	110
45°	116	115	115	115	115	90
55°	73	73	73	73	73	66
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°	447.6	447.6	447.6	447.6	447.6
1°	447.6	446.9	446.9	446.9	447.6
2°	446.1	446.1	446.1	446.1	446.1
3°	444.5	443.8	443.8	443.8	443.8
4°	441.5	440.7	440.7	440.7	440.7
5°	437.6	436.8	436.8	436.8	437.6
6°	433.0	432.2	431.4	431.4	432.2
7°	428.3	426.8	426.8	426.8	426.8
8°	421.4	420.6	420.6	420.6	420.6
9°	414.4	412.9	413.7	413.7	413.7
10°	406.7	406.0	406.0	406.0	406.7
11°	399.0	398.2	398.2	397.5	398.2
12°	389.7	389.7	389.7	389.7	389.7
13°	381.3	380.5	380.5	380.5	381.3
14°	372.0	371.2	371.2	371.2	371.2
15°	361.2	361.2	361.2	361.2	362.0
17.5°	336.5	335.7	336.5	336.5	337.3
20°	311.0	310.3	311.0	311.0	311.0
22.5°	285.6	285.6	284.8	285.6	286.3
25°	260.9	260.1	260.1	260.9	260.1
27.5°	237.7	236.9	236.9	236.9	236.9
30°	216.1	214.6	214.6	215.3	215.3
32.5°	193.7	193.7	194.5	193.7	193.7
35°	176.0	175.2	175.2	176.0	176.0
37.5°	158.2	157.4	157.4	158.2	158.2
40°	142.8	142.8	142.0	142.8	142.8
42.5°	128.1	128.1	128.1	128.1	128.1
45°	115.8	115.0	115.0	115.0	115.0
47.5°	103.4	103.4	103.4	102.6	103.4
50°	93.4	92.6	92.6	92.6	92.6
52.5°	82.6	82.6	82.6	82.6	82.6
55°	73.3	73.3	73.3	73.3	73.3
57.5°	65.6	64.8	64.8	64.8	64.8
60°	57.9	57.9	57.1	57.9	57.9
62.5°	50.2	50.2	50.2	50.2	50.2
65°	44.0	44.0	44.0	44.0	44.0
67.5°	37.8	37.8	37.8	37.8	37.8
70°	31.6	31.6	31.6	31.6	31.6
72.5°	27.0	26.2	26.2	26.2	26.2
75°	21.6	21.6	20.8	21.6	21.6
77.5°	16.2	16.2	16.2	16.2	16.2
80°	12.3	12.3	12.3	11.6	12.3
82.5°	7.7	7.7	7.7	7.7	7.7
85°	3.9	3.9	3.9	3.9	3.9
87.5°	0.8	0.8	0.8	1.5	1.5



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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)