

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: P1296780

Luminaire Tested: P3A13R35W2N902750DE010 E3PHLD1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

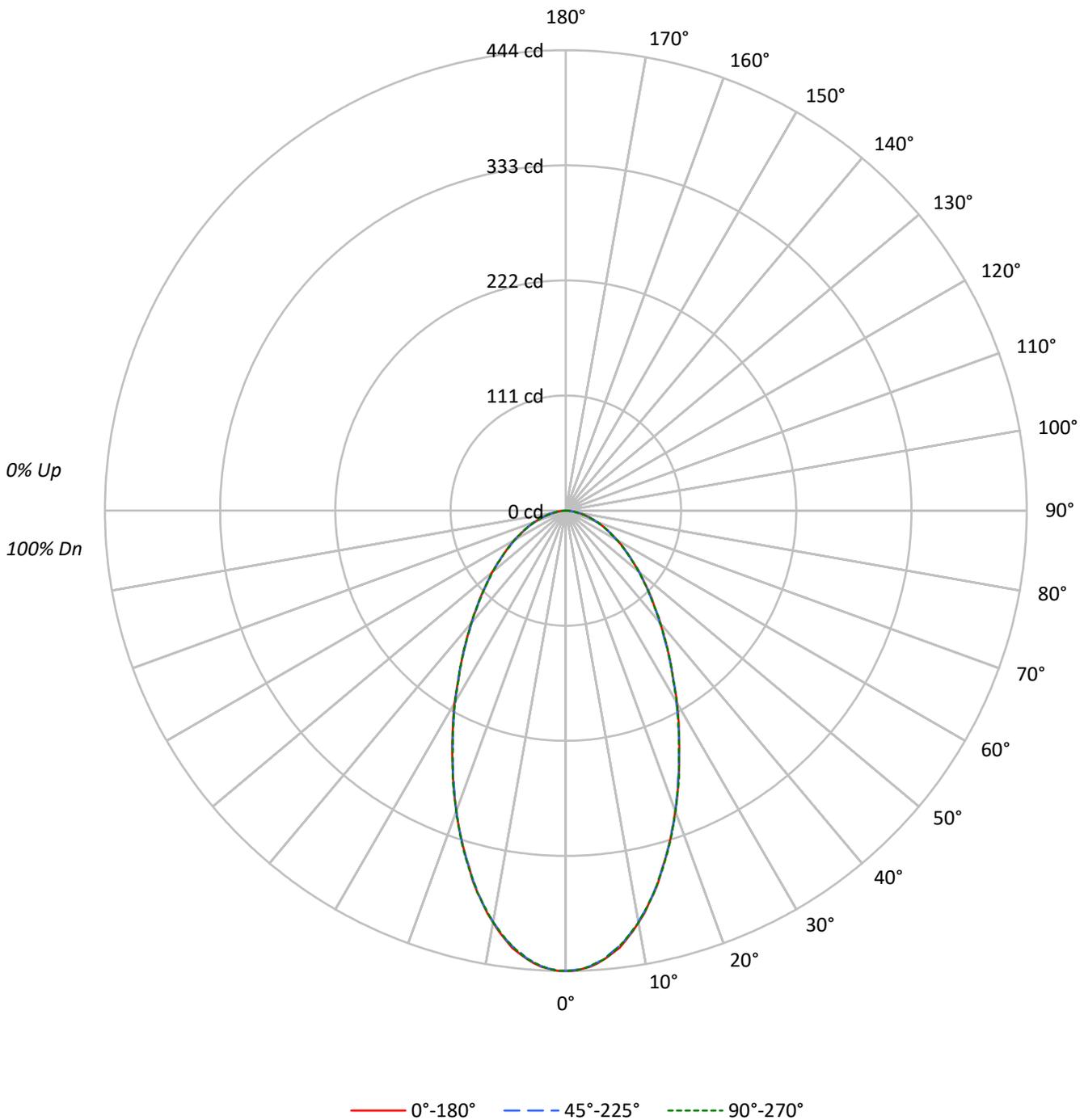
Test Method: LM-79-2019  
Report Number: P1296780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R35W2N902750DE010 E3PHLD1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 593.0 lumens  
Efficiency: N/A  
Efficacy: 48.2 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





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

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

	0°	45°	90°
0°	97339	97339	97339
5°	95509	95355	95509
10°	89800	89644	89800
15°	81317	81317	81476
20°	71966	71966	71966
25°	62592	62399	62399
30°	54262	53882	54059
35°	46712	46498	46712
40°	40533	40304	40533
45°	35601	35353	35353
50°	31590	31317	31317
55°	27794	27794	27794
60°	25173	24823	25173
65°	22622	22622	22622
70°	20132	20132	20132
75°	18131	17538	18131
80°	15406	15406	15406
85°	9561	9561	9561

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 35601 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.4	6.8
10°-20°	99.9	16.8
20°-30°	118.7	20.0
30°-40°	109.1	18.4
40°-50°	88.6	14.9
50°-60°	65.5	11.1
60°-70°	43.3	7.3
70°-80°	22.4	3.8
80°-90°	5.0	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°	259.0	43.7
0°-40°	368.1	62.1
0°-60°	522.2	88.1
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	434	433	433	433	434	40
15°	358	358	358	358	359	100
25°	259	258	258	259	258	119
35°	174	174	174	174	174	109
45°	115	114	114	114	114	89
55°	73	73	73	73	73	66
65°	44	44	44	44	44	43
75°	21	21	21	21	21	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°	443.9	443.9	443.9	443.9	443.9
1°	443.9	443.1	443.1	443.1	443.9
2°	442.4	442.4	442.4	442.4	442.4
3°	440.8	440.1	440.1	440.1	440.1
4°	437.8	437.0	437.0	437.0	437.0
5°	433.9	433.2	433.2	433.2	433.9
6°	429.3	428.6	427.8	427.8	428.6
7°	424.8	423.2	423.2	423.2	423.2
8°	417.9	417.1	417.1	417.1	417.1
9°	411.0	409.4	410.2	410.2	410.2
10°	403.3	402.6	402.6	402.6	403.3
11°	395.7	394.9	394.9	394.1	394.9
12°	386.5	386.5	386.5	386.5	386.5
13°	378.1	377.3	377.3	377.3	378.1
14°	368.9	368.1	368.1	368.1	368.1
15°	358.2	358.2	358.2	358.2	358.9
17.5°	333.7	332.9	333.7	333.7	334.4
20°	308.4	307.7	308.4	308.4	308.4
22.5°	283.2	283.2	282.4	283.2	283.9
25°	258.7	257.9	257.9	258.7	257.9
27.5°	235.7	235.0	235.0	235.0	235.0
30°	214.3	212.8	212.8	213.5	213.5
32.5°	192.1	192.1	192.9	192.1	192.1
35°	174.5	173.7	173.7	174.5	174.5
37.5°	156.9	156.1	156.1	156.9	156.9
40°	141.6	141.6	140.8	141.6	141.6
42.5°	127.0	127.0	127.0	127.0	127.0
45°	114.8	114.0	114.0	114.0	114.0
47.5°	102.6	102.6	102.6	101.8	102.6
50°	92.6	91.8	91.8	91.8	91.8
52.5°	81.9	81.9	81.9	81.9	81.9
55°	72.7	72.7	72.7	72.7	72.7
57.5°	65.1	64.3	64.3	64.3	64.3
60°	57.4	57.4	56.6	57.4	57.4
62.5°	49.7	49.7	49.7	49.7	49.7
65°	43.6	43.6	43.6	43.6	43.6
67.5°	37.5	37.5	37.5	37.5	37.5
70°	31.4	31.4	31.4	31.4	31.4
72.5°	26.8	26.0	26.0	26.0	26.0
75°	21.4	21.4	20.7	21.4	21.4
77.5°	16.1	16.1	16.1	16.1	16.1
80°	12.2	12.2	12.2	11.5	12.2
82.5°	7.7	7.7	7.7	7.7	7.7
85°	3.8	3.8	3.8	3.8	3.8
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)