

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: P1296787

Luminaire Tested: P3A13R35W2N902750DE010 E3PHLP1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

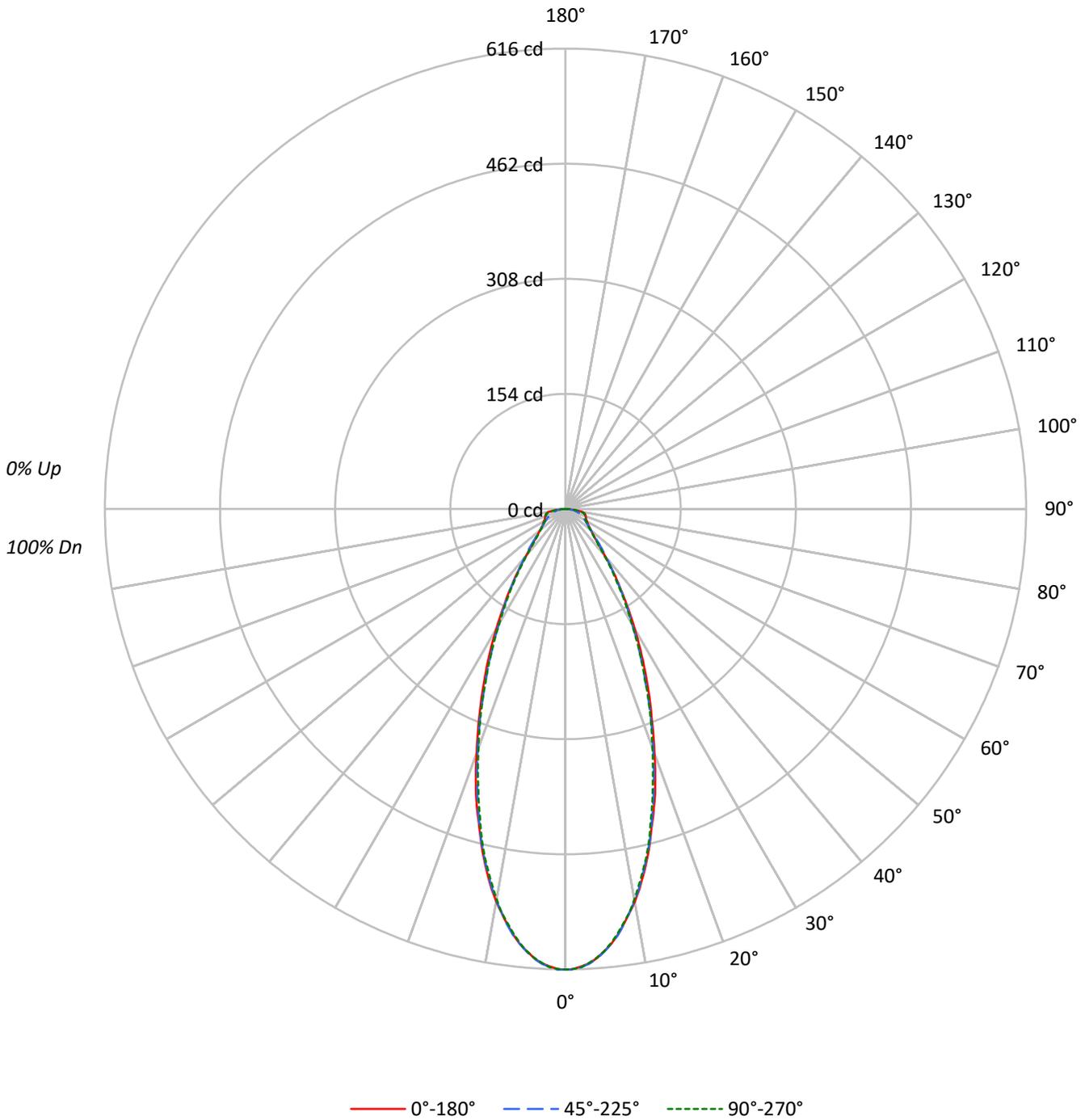
Test Method: LM-79-2019  
Report Number: P1296787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R35W2N902750DE010 E3PHLP1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,  
E3PHLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 510.0 lumens  
Efficiency: N/A  
Efficacy: 41.5 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

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

	0°	45°	90°
0°	135165	135165	135165
5°	130728	130904	130728
10°	118746	118591	118056
15°	100818	100455	99569
20°	81160	80064	79340
25°	62737	60850	60850
30°	46792	45222	44817
35°	33676	33247	32418
40°	23558	24217	22671
45°	17583	18545	17087
50°	15113	15113	14840
55°	14260	13648	13954
60°	14648	13288	13946
65°	15722	13283	15306
70°	18401	13913	17888
75°	23045	14488	22367
80°	29423	15659	26519
85°	23398	15599	23398

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 29423 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.8	10.7
10°-20°	122.2	24.0
20°-30°	116.7	22.9
30°-40°	78.4	15.4
40°-50°	46.0	9.0
50°-60°	32.9	6.5
60°-70°	27.4	5.4
70°-80°	22.5	4.4
80°-90°	9.3	1.8
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°	293.6	57.6
0°-40°	372.0	72.9
0°-60°	450.9	88.4
0°-90°	510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	510.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	594	596	595	594	594	55
15°	444	445	442	439	439	123
25°	259	256	252	252	252	119
35°	126	126	124	122	121	80
45°	57	58	60	57	55	46
55°	37	36	36	36	36	34
65°	30	27	26	27	30	30
75°	27	21	17	21	26	28
85°	9	10	6	10	9	11
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	616.4	616.4	616.4	616.4	616.4
1°	615.6	616.4	616.4	615.6	615.6
2°	612.5	614.1	613.3	612.5	613.3
3°	608.6	610.2	609.4	608.6	607.9
4°	602.4	604.0	603.2	601.7	601.7
5°	593.9	595.5	594.7	593.9	593.9
6°	585.4	586.9	585.4	583.8	583.8
7°	573.7	576.0	574.5	572.9	572.2
8°	560.5	562.8	561.3	560.5	559.0
9°	547.3	548.9	546.5	546.5	546.5
10°	533.3	534.1	532.6	530.2	530.2
11°	517.8	517.0	516.3	514.7	513.2
12°	500.7	500.7	498.4	496.9	496.1
13°	482.9	482.1	480.6	479.0	479.0
14°	464.2	464.2	462.7	459.6	460.4
15°	444.1	444.8	442.5	439.4	438.6
17.5°	398.3	396.7	392.8	390.5	388.2
20°	347.8	347.0	343.1	340.8	340.0
22.5°	301.2	300.4	296.6	294.2	295.8
25°	259.3	256.2	251.5	251.5	251.5
27.5°	220.5	216.6	213.5	211.9	213.5
30°	184.8	181.7	178.6	177.8	177.0
32.5°	152.9	151.4	149.8	147.5	147.5
35°	125.8	125.8	124.2	121.9	121.1
37.5°	102.5	103.3	102.5	100.1	99.4
40°	82.3	83.8	84.6	82.3	79.2
42.5°	67.5	69.9	71.4	67.5	65.2
45°	56.7	58.2	59.8	56.7	55.1
47.5°	49.7	50.5	51.2	48.9	48.1
50°	44.3	44.3	44.3	43.5	43.5
52.5°	40.4	40.4	39.6	38.8	38.8
55°	37.3	36.5	35.7	35.7	36.5
57.5°	34.9	34.2	32.6	33.4	34.2
60°	33.4	31.8	30.3	31.1	31.8
62.5°	31.1	29.5	27.9	28.7	30.3
65°	30.3	27.2	25.6	27.2	29.5
67.5°	29.5	25.6	23.3	25.6	28.7
70°	28.7	24.1	21.7	24.1	27.9
72.5°	27.9	22.5	19.4	22.5	27.2
75°	27.2	21.0	17.1	21.0	26.4
77.5°	25.6	19.4	14.8	19.4	24.1
80°	23.3	17.9	12.4	17.1	21.0
82.5°	17.1	14.8	10.1	14.8	15.5
85°	9.3	10.1	6.2	10.1	9.3
87.5°	0.8	1.6	1.6	4.7	3.1



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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)