

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: P1300582

Luminaire Tested: P3A17R35W2N902750DE010 E3PHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300582
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: P3A17R35W2N902750DE010 E3PHLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

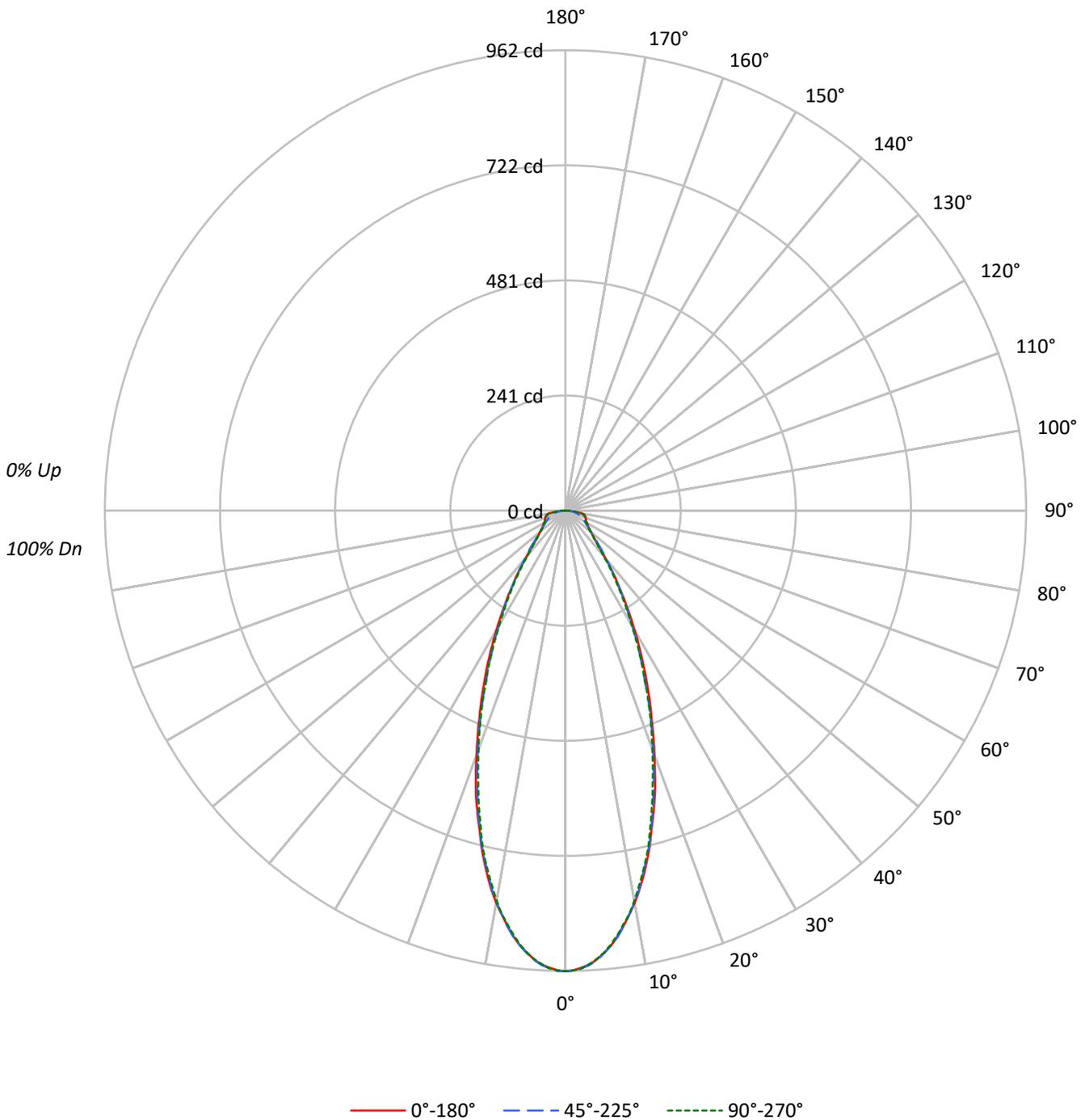
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 796.0 lumens
Efficiency: N/A
Efficacy: 41.0 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): 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





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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	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	210970	210970	210970
5°	204028	204314	204028
10°	185345	185078	184276
15°	157345	156800	155415
20°	126664	124984	123841
25°	97917	94989	94989
30°	73024	70568	69960
35°	52548	51906	50594
40°	36755	37814	35381
45°	27445	28933	26669
50°	23573	23573	23163
55°	22250	21294	21753
60°	22849	20744	21796
65°	24542	20754	23868
70°	28723	21734	27953
75°	35923	22621	34906
80°	45965	24498	41293
85°	36481	24405	36481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 45965 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	10.7
10°-20°	190.7	24.0
20°-30°	182.1	22.9
30°-40°	122.3	15.4
40°-50°	71.8	9.0
50°-60°	51.4	6.5
60°-70°	42.8	5.4
70°-80°	35.0	4.4
80°-90°	14.4	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°	458.3	57.6
0°-40°	580.6	72.9
0°-60°	703.8	88.4
0°-90°	796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	927	929	928	927	927	85
15°	693	694	691	686	685	192
25°	405	400	393	393	393	186
35°	196	196	194	190	189	124
45°	88	91	93	88	86	71
55°	58	57	56	56	57	53
65°	47	42	40	42	46	47
75°	42	33	27	33	41	44
85°	14	16	10	16	14	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	962.1	962.1	962.1	962.1	962.1
1°	960.9	962.1	962.1	960.9	960.9
2°	956.0	958.5	957.2	956.0	957.2
3°	950.0	952.4	951.2	950.0	948.8
4°	940.3	942.7	941.5	939.1	939.1
5°	926.9	929.4	928.2	926.9	926.9
6°	913.6	916.0	913.6	911.2	911.2
7°	895.4	899.1	896.7	894.2	893.0
8°	874.8	878.5	876.1	874.8	872.4
9°	854.2	856.7	853.0	853.0	853.0
10°	832.4	833.6	831.2	827.6	827.6
11°	808.2	807.0	805.8	803.4	800.9
12°	781.5	781.5	777.9	775.5	774.3
13°	753.7	752.5	750.0	747.6	747.6
14°	724.6	724.6	722.2	717.3	718.5
15°	693.1	694.3	690.7	685.8	684.6
17.5°	621.6	619.2	613.1	609.5	605.8
20°	542.8	541.6	535.6	531.9	530.7
22.5°	470.1	468.9	462.9	459.2	461.7
25°	404.7	399.9	392.6	392.6	392.6
27.5°	344.1	338.1	333.2	330.8	333.2
30°	288.4	283.5	278.7	277.5	276.3
32.5°	238.7	236.3	233.9	230.2	230.2
35°	196.3	196.3	193.9	190.2	189.0
37.5°	159.9	161.2	159.9	156.3	155.1
40°	128.4	130.9	132.1	128.4	123.6
42.5°	105.4	109.1	111.5	105.4	101.8
45°	88.5	90.9	93.3	88.5	86.0
47.5°	77.5	78.8	80.0	76.3	75.1
50°	69.1	69.1	69.1	67.9	67.9
52.5°	63.0	63.0	61.8	60.6	60.6
55°	58.2	56.9	55.7	55.7	56.9
57.5°	54.5	53.3	50.9	52.1	53.3
60°	52.1	49.7	47.3	48.5	49.7
62.5°	48.5	46.0	43.6	44.8	47.3
65°	47.3	42.4	40.0	42.4	46.0
67.5°	46.0	40.0	36.4	40.0	44.8
70°	44.8	37.6	33.9	37.6	43.6
72.5°	43.6	35.1	30.3	35.1	42.4
75°	42.4	32.7	26.7	32.7	41.2
77.5°	40.0	30.3	23.0	30.3	37.6
80°	36.4	27.9	19.4	26.7	32.7
82.5°	26.7	23.0	15.8	23.0	24.2
85°	14.5	15.8	9.7	15.8	14.5
87.5°	1.2	2.4	2.4	7.3	4.8



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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)