

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: P1296785

Luminaire Tested: P3A13R35W2N902750DE010 E3PHLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296785
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

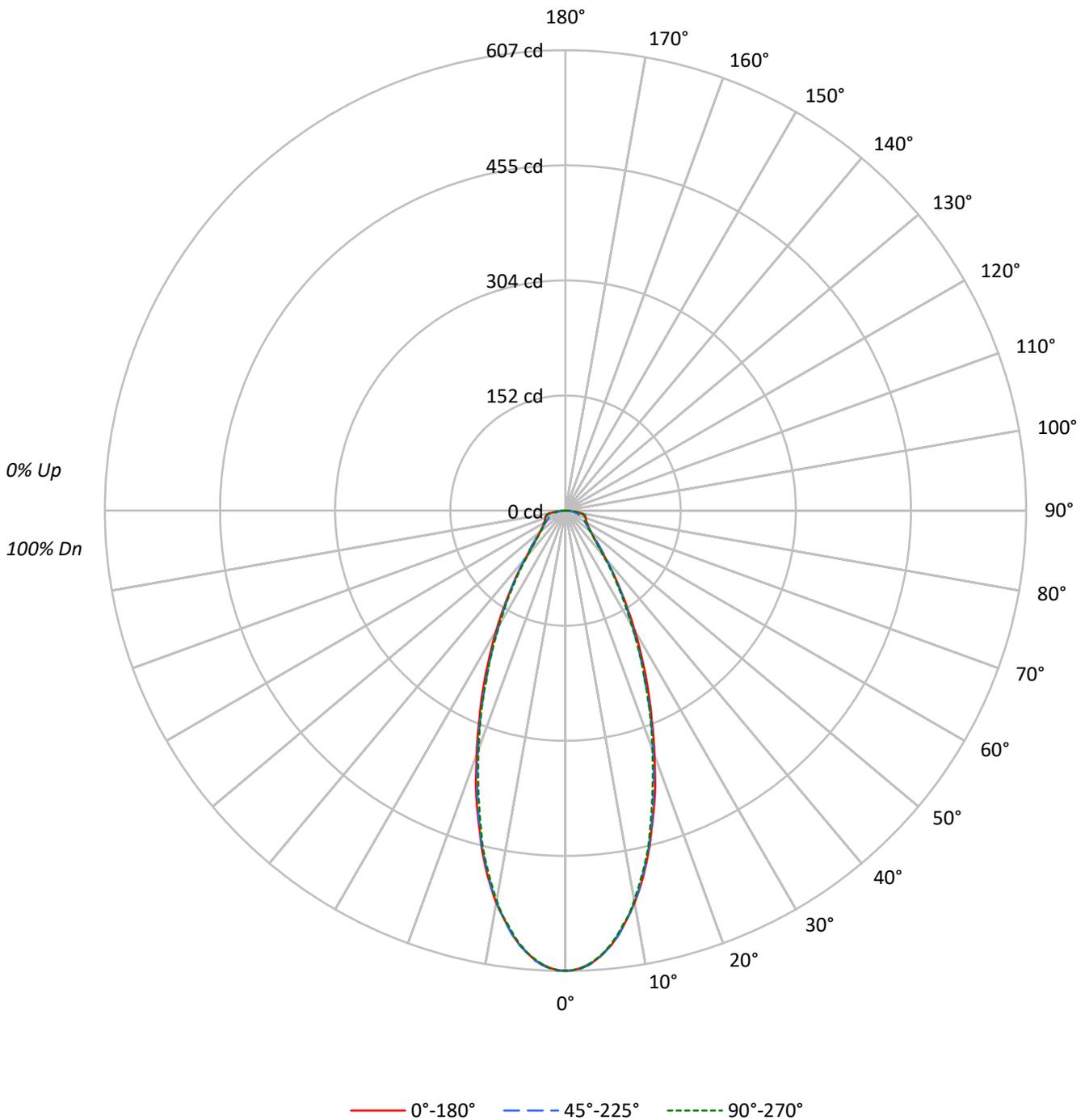
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 40.8 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	66	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	133038	133038	133038
5°	128681	128835	128681
10°	116898	116720	116208
15°	99229	98888	98003
20°	79877	78827	78103
25°	61746	59907	59907
30°	46058	44513	44108
35°	33140	32739	31909
40°	23186	23845	22299
45°	17304	18234	16839
50°	14874	14874	14601
55°	14031	13457	13725
60°	14429	13069	13727
65°	15462	13075	15047
70°	18144	13720	17631
75°	22621	14234	22028
80°	28918	15406	26013
85°	23147	15347	23147

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 28918 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	10.7
10°-20°	120.3	24.0
20°-30°	114.8	22.9
30°-40°	77.1	15.4
40°-50°	45.3	9.0
50°-60°	32.4	6.5
60°-70°	27.0	5.4
70°-80°	22.1	4.4
80°-90°	9.1	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°	289.0	57.6
0°-40°	366.2	72.9
0°-60°	443.8	88.4
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	585	586	585	585	585	54
15°	437	438	436	432	432	121
25°	255	252	248	248	248	117
35°	124	124	122	120	119	78
45°	56	57	59	56	54	45
55°	37	36	35	35	36	33
65°	30	27	25	27	29	30
75°	27	21	17	21	26	28
85°	9	10	6	10	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	606.7	606.7	606.7	606.7	606.7
1°	606.0	606.7	606.7	606.0	606.0
2°	602.9	604.4	603.7	602.9	603.7
3°	599.1	600.6	599.9	599.1	598.3
4°	593.0	594.5	593.8	592.2	592.2
5°	584.6	586.1	585.3	584.6	584.6
6°	576.2	577.7	576.2	574.6	574.6
7°	564.7	567.0	565.5	563.9	563.2
8°	551.7	554.0	552.5	551.7	550.2
9°	538.7	540.3	538.0	538.0	538.0
10°	525.0	525.7	524.2	521.9	521.9
11°	509.7	508.9	508.2	506.6	505.1
12°	492.9	492.9	490.6	489.1	488.3
13°	475.3	474.5	473.0	471.5	471.5
14°	457.0	457.0	455.4	452.4	453.1
15°	437.1	437.9	435.6	432.5	431.7
17.5°	392.0	390.5	386.7	384.4	382.1
20°	342.3	341.6	337.8	335.5	334.7
22.5°	296.5	295.7	291.9	289.6	291.1
25°	255.2	252.2	247.6	247.6	247.6
27.5°	217.0	213.2	210.1	208.6	210.1
30°	181.9	178.8	175.8	175.0	174.2
32.5°	150.5	149.0	147.5	145.2	145.2
35°	123.8	123.8	122.3	120.0	119.2
37.5°	100.9	101.6	100.9	98.6	97.8
40°	81.0	82.5	83.3	81.0	77.9
42.5°	66.5	68.8	70.3	66.5	64.2
45°	55.8	57.3	58.8	55.8	54.3
47.5°	48.9	49.7	50.4	48.1	47.4
50°	43.6	43.6	43.6	42.8	42.8
52.5°	39.7	39.7	39.0	38.2	38.2
55°	36.7	35.9	35.2	35.2	35.9
57.5°	34.4	33.6	32.1	32.9	33.6
60°	32.9	31.3	29.8	30.6	31.3
62.5°	30.6	29.0	27.5	28.3	29.8
65°	29.8	26.7	25.2	26.7	29.0
67.5°	29.0	25.2	22.9	25.2	28.3
70°	28.3	23.7	21.4	23.7	27.5
72.5°	27.5	22.2	19.1	22.2	26.7
75°	26.7	20.6	16.8	20.6	26.0
77.5°	25.2	19.1	14.5	19.1	23.7
80°	22.9	17.6	12.2	16.8	20.6
82.5°	16.8	14.5	9.9	14.5	15.3
85°	9.2	9.9	6.1	9.9	9.2
87.5°	0.8	1.5	1.5	4.6	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)