

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: P1296776

Luminaire Tested: P3A13R35W2N902750DE010 E3PH1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1296776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R35W2N902750DE010 E3PH1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

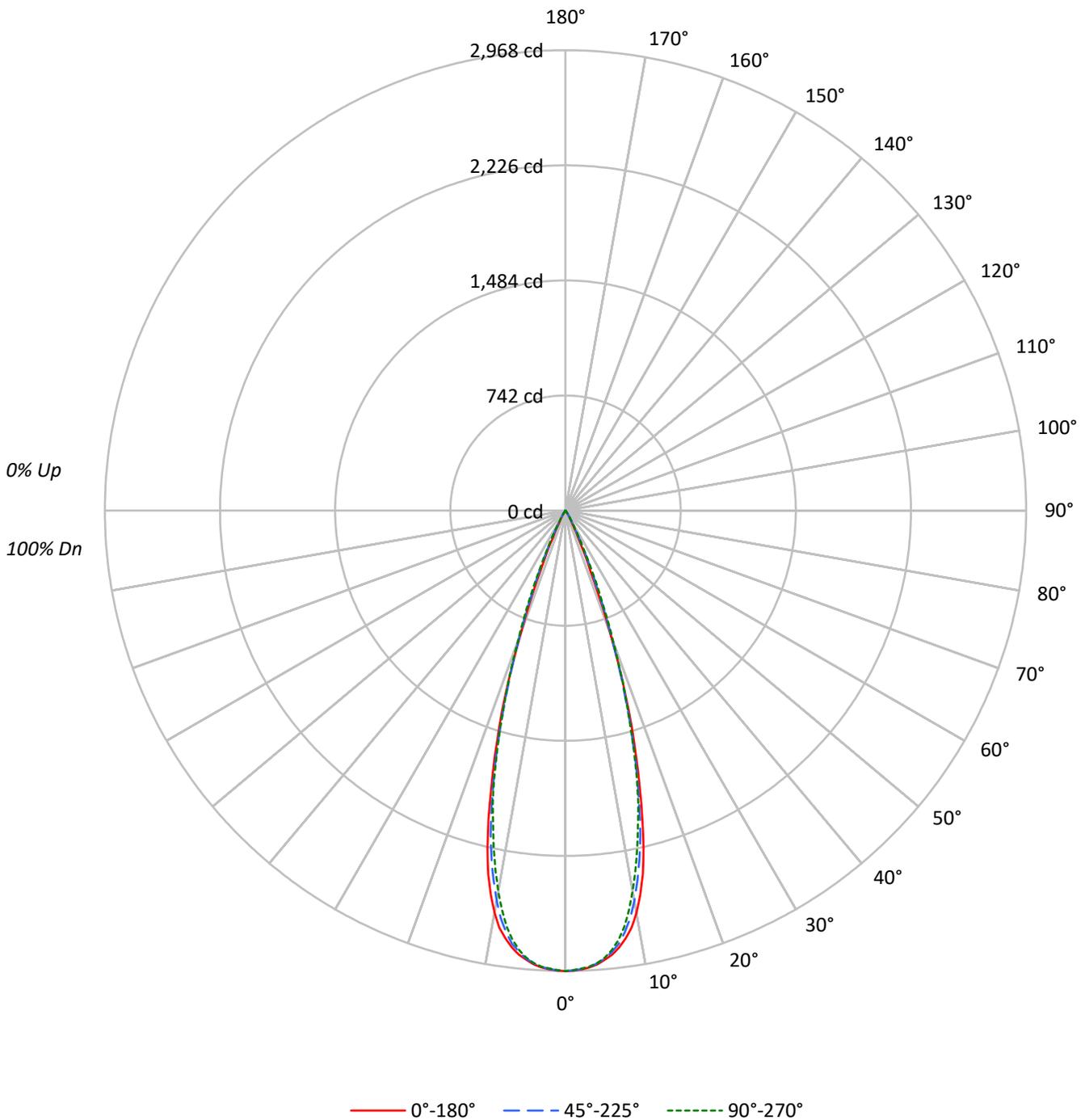
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 901.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	650935	650935	650935
5°	639752	638387	637022
10°	586317	568705	554877
15°	419844	406450	401523
20°	194687	201384	208455
25°	46188	65713	68544
30°	13546	15521	17496
35°	3105	4979	4578
40°	658	1345	887
45°	248	248	248
50°	273	0	273
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 288 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	29.6
10°-20°	476.4	52.9
20°-30°	143.3	15.9
30°-40°	13.7	1.5
40°-50°	1.0	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	886.3	98.4
0°-40°	900.0	99.9
0°-60°	901.0	100.0
0°-90°	901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	901.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2968	2968	2968	2968	2968	
5°	2906	2906	2900	2896	2894	269
15°	1849	1835	1790	1783	1769	488
25°	191	210	272	283	283	123
35°	12	16	19	20	17	11
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2968.5	2968.5	2968.5	2968.5	2968.5
1°	2966.9	2966.9	2965.4	2965.4	2962.3
2°	2959.9	2960.7	2957.6	2956.8	2954.5
3°	2949.1	2946.8	2946.8	2945.2	2943.6
4°	2932.0	2927.4	2925.8	2926.6	2923.5
5°	2906.4	2905.6	2900.2	2896.3	2894.0
6°	2878.5	2873.0	2861.4	2851.3	2849.0
7°	2836.6	2824.9	2814.8	2793.9	2790.8
8°	2785.3	2766.7	2745.0	2715.5	2713.9
9°	2722.5	2692.2	2661.9	2622.4	2608.4
10°	2633.2	2605.3	2554.1	2519.1	2492.0
11°	2522.2	2487.3	2427.6	2385.7	2363.1
12°	2396.5	2363.9	2294.1	2256.0	2224.2
13°	2235.1	2207.9	2142.7	2100.8	2076.0
14°	2048.1	2027.9	1965.8	1947.2	1938.6
15°	1849.4	1835.4	1790.4	1782.6	1768.7
17.5°	1361.2	1338.0	1312.3	1317.0	1321.7
20°	834.3	866.9	863.0	880.1	893.3
22.5°	416.0	457.9	506.8	536.3	551.0
25°	190.9	210.3	271.6	283.3	283.3
27.5°	96.2	100.9	128.1	130.4	136.6
30°	53.5	57.4	61.3	68.3	69.1
32.5°	27.2	31.8	33.4	37.3	35.7
35°	11.6	15.5	18.6	20.2	17.1
37.5°	5.4	7.0	10.1	9.3	7.0
40°	2.3	3.1	4.7	3.9	3.1
42.5°	1.6	1.6	2.3	1.6	1.6
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)