

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: P1300569

Luminaire Tested: P3A17R35W2N902750DE010 E3PH1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300569
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: P3A17R35W2N902750DE010 E3PH1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

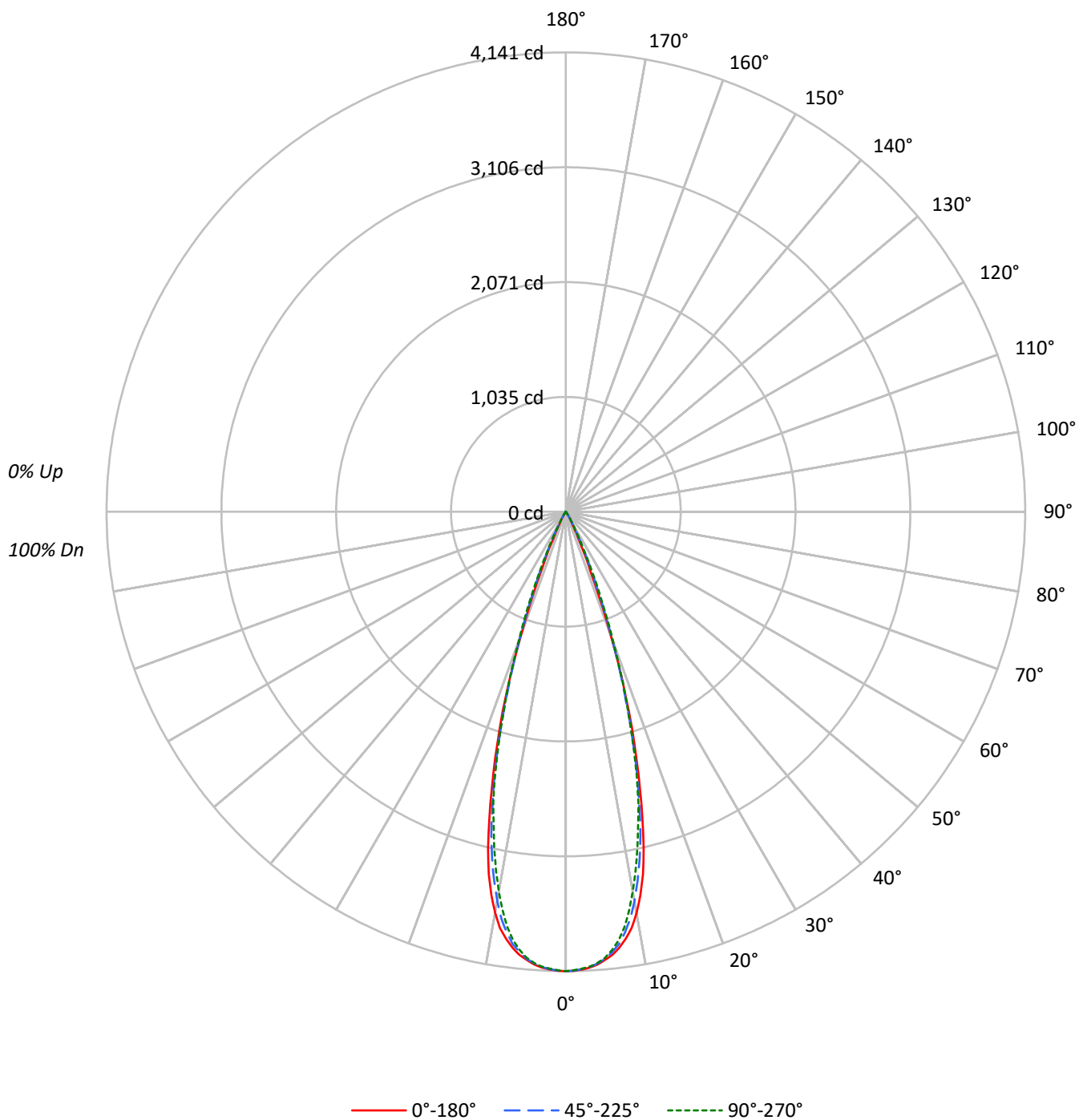
Lumens per Lamp: N/A
Luminaire Lumens: 1257.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	81
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	80	78
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	79	77	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	74	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	74	72	70
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	72	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	908129	908129	908129
5°	892536	890621	888706
10°	817976	793394	774112
15°	585724	567041	560162
20°	271600	280958	290805
25°	64431	91675	95618
30°	18914	21649	24409
35°	4337	6960	6371
40°	916	1861	1231
45°	341	341	341
50°	375	0	375
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: 396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.8	29.6
10°-20°	664.7	52.9
20°-30°	200.0	15.9
30°-40°	19.1	1.5
40°-50°	1.3	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°	1236.5	98.4
0°-40°	1255.6	99.9
0°-60°	1257.0	100.0
0°-90°	1257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1257.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4141	4141	4141	4141	4141	
5°	4055	4054	4046	4041	4037	376
15°	2580	2561	2498	2487	2468	681
25°	266	293	379	395	395	171
35°	16	22	26	28	24	15
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°	4141.4	4141.4	4141.4	4141.4	4141.4
1°	4139.2	4139.2	4137.0	4137.0	4132.7
2°	4129.5	4130.6	4126.2	4125.1	4121.9
3°	4114.3	4111.1	4111.1	4108.9	4106.7
4°	4090.5	4084.0	4081.8	4082.9	4078.6
5°	4054.8	4053.7	4046.1	4040.7	4037.4
6°	4015.8	4008.2	3992.0	3977.9	3974.6
7°	3957.3	3941.1	3927.0	3897.8	3893.4
8°	3885.9	3859.9	3829.6	3788.4	3786.2
9°	3798.2	3755.9	3713.7	3658.5	3639.0
10°	3673.6	3634.7	3563.2	3514.5	3476.6
11°	3518.8	3470.1	3386.7	3328.3	3296.9
12°	3343.4	3297.9	3200.5	3147.4	3103.1
13°	3118.2	3080.3	2989.4	2930.9	2896.3
14°	2857.3	2829.1	2742.5	2716.5	2704.6
15°	2580.1	2560.6	2497.8	2487.0	2467.5
17.5°	1899.1	1866.6	1830.9	1837.4	1843.9
20°	1163.9	1209.4	1204.0	1227.8	1246.2
22.5°	580.3	638.8	707.0	748.2	768.7
25°	266.3	293.4	378.9	395.2	395.2
27.5°	134.3	140.8	178.6	181.9	190.6
30°	74.7	80.1	85.5	95.3	96.4
32.5°	37.9	44.4	46.6	52.0	49.8
35°	16.2	21.7	26.0	28.2	23.8
37.5°	7.6	9.7	14.1	13.0	9.7
40°	3.2	4.3	6.5	5.4	4.3
42.5°	2.2	2.2	3.2	2.2	2.2
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
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)