

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: P1302650

Luminaire Tested: P3AS17R70W2N902750DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1302650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R70W2N902750DE010 E3CD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1516.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78	78	78	78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53	53	53	53
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	56	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301029
5°	287254
10°	273297
15°	265995
20°	256176
25°	242458
30°	225503
35°	189419
40°	122086
45°	56750
50°	14874
55°	3708
60°	3728
65°	3165
70°	3077
75°	3050
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56750 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	8.1
10°-20°	329.2	21.7
20°-30°	460.0	30.3
30°-40°	426.5	28.1
40°-50°	152.9	10.1
50°-60°	13.0	0.9
60°-70°	6.5	0.4
70°-80°	4.1	0.3
80°-90°	1.6	0.1
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°	911.4	60.1
0°-40°	1337.9	88.3
0°-60°	1503.8	99.2
0°-90°	1516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1516.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1373	
5°	1305	122
15°	1172	329
25°	1002	460
35°	708	426
45°	183	153
55°	10	13
65°	6	6
75°	4	4
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1372.8
2.5°	1352.2
5°	1305.0
7.5°	1261.4
10°	1227.4
12.5°	1199.6
15°	1171.7
17.5°	1137.8
20°	1097.8
22.5°	1051.7
25°	1002.1
27.5°	951.2
30°	890.6
32.5°	813.0
35°	707.6
37.5°	573.1
40°	426.5
42.5°	290.8
45°	183.0
47.5°	101.8
50°	43.6
52.5°	14.5
55°	9.7
57.5°	8.5
60°	8.5
62.5°	7.3
65°	6.1
67.5°	6.1
70°	4.8
72.5°	4.8
75°	3.6
77.5°	3.6
80°	2.4
82.5°	2.4
85°	1.2
87.5°	1.2
90°	0.0

(END OF REPORT)