

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: P#

Luminaire Tested: P3ART17R70W2N902750DE010 E3CLDWW1MMS_3500K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART17R70W2N902750DE010 E3CLDWW1MMS_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1069.9 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	168451	168451	168451
5°	165639	165639	165639
10°	157022	157423	157802
15°	144201	144995	146198
20°	129441	130678	132312
25°	113886	115579	118120
30°	100142	101914	105003
35°	87134	89945	92274
40°	76143	78146	80150
45°	65650	67821	69465
50°	58506	59700	60279
55°	51496	52185	52185
60°	45260	44514	45260
65°	37202	38136	39018
70°	29172	29172	30262
75°	19232	17792	17792
80°	10986	8840	6566
85°	4277	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 69465 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	6.6
10°-20°	178.4	16.7
20°-30°	220.0	20.6
30°-40°	209.7	19.6
40°-50°	169.6	15.9
50°-60°	122.2	11.4
60°-70°	73.1	6.8
70°-80°	24.5	2.3
80°-90°	2.1	0.2
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°	468.8	43.8
0°-40°	678.5	63.4
0°-60°	970.2	90.7
0°-90°	1069.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	752	752	752	753	752	70
15°	635	637	639	641	644	177
25°	471	474	478	485	488	217
35°	326	328	336	342	345	205
45°	212	215	219	223	224	165
55°	135	135	136	136	136	121
65°	72	74	74	75	75	72
75°	23	23	21	21	21	26
85°	2	2	0	0	0	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	768.2	768.2	768.2	768.2	768.2	768.2	768.2	768.2	768.2	768.2	768.2
2°	766.5	766.5	766.5	766.5	766.5	766.5	766.5	766.5	766.5	766.5	764.7
2.5°	766.5	764.7	764.7	764.7	764.7	764.7	764.7	764.7	764.7	766.5	764.7
5°	752.5	752.5	752.5	752.5	752.5	752.5	752.5	752.5	754.2	752.5	752.5
7.5°	731.5	731.5	731.5	731.5	733.2	733.2	733.2	733.2	735.0	735.0	733.2
10°	705.2	705.2	705.2	705.2	707.0	707.0	708.7	707.0	707.0	708.7	708.7
12.5°	673.7	672.0	672.0	672.0	673.7	675.5	675.5	675.5	677.2	677.2	677.2
15°	635.2	635.2	635.2	637.0	637.0	638.7	640.5	640.5	642.2	642.2	644.0
17.5°	596.7	596.7	595.0	596.7	598.5	600.2	602.0	603.7	605.5	605.5	605.5
20°	554.7	553.0	554.7	556.5	558.2	560.0	561.7	565.2	567.0	567.0	567.0
22.5°	512.7	511.0	512.7	514.5	516.2	518.0	523.2	525.0	526.7	526.7	530.2
25°	470.7	470.7	472.5	474.2	476.0	477.7	481.2	484.7	486.5	488.2	488.2
27.5°	432.2	432.2	432.2	432.2	435.7	439.2	442.7	446.2	448.0	449.7	449.7
30°	395.5	393.7	393.7	395.5	399.0	402.5	406.0	409.5	411.2	413.0	414.7
32.5°	358.7	358.7	358.7	360.5	362.2	367.5	371.0	372.7	376.2	378.0	378.0
35°	325.5	325.5	325.5	329.0	332.5	336.0	337.7	341.2	344.7	344.7	344.7
37.5°	297.5	299.2	302.7	301.0	301.0	302.7	304.5	308.0	311.5	311.5	311.5
40°	266.0	267.7	269.5	267.7	269.5	273.0	274.7	276.5	278.2	280.0	280.0
42.5°	236.2	236.2	236.2	238.0	241.5	243.2	246.7	248.5	250.2	250.2	250.2
45°	211.7	211.7	213.5	215.2	217.0	218.7	220.5	222.2	224.0	224.0	224.0
47.5°	190.7	190.7	192.5	192.5	194.2	196.0	197.7	197.7	199.5	201.2	199.5
50°	171.5	171.5	171.5	173.2	173.2	175.0	175.0	176.7	176.7	176.7	176.7
52.5°	152.2	152.2	152.2	152.2	154.0	154.0	154.0	155.7	155.7	155.7	155.7
55°	134.7	134.7	134.7	134.7	134.7	136.5	136.5	136.5	136.5	136.5	136.5
57.5°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0
60°	103.2	103.2	103.2	103.2	103.2	101.5	103.2	103.2	103.2	103.2	103.2
62.5°	87.5	87.5	87.5	87.5	87.5	87.5	87.5	89.2	89.2	89.2	89.2
65°	71.7	73.5	73.5	73.5	73.5	73.5	73.5	75.2	75.2	75.2	75.2
67.5°	57.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5	61.2	61.2	61.2
70°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	47.2
72.5°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	33.2	33.2	33.2
75°	22.7	22.7	22.7	22.7	21.0	21.0	21.0	21.0	21.0	21.0	21.0
77.5°	15.7	15.7	15.7	14.0	14.0	12.2	12.2	12.2	12.2	12.2	10.5
80°	8.7	8.7	8.7	8.7	8.7	7.0	7.0	5.2	5.2	5.2	5.2
82.5°	5.2	5.2	5.2	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)