

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: P3ART05R70W2N902750DE010 E3LCWW1LI_5000K

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70W2N902750DE010 E3LCWW1LI_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3LCWW1LI TRIM
Light Source: -
Ballast/Driver: -

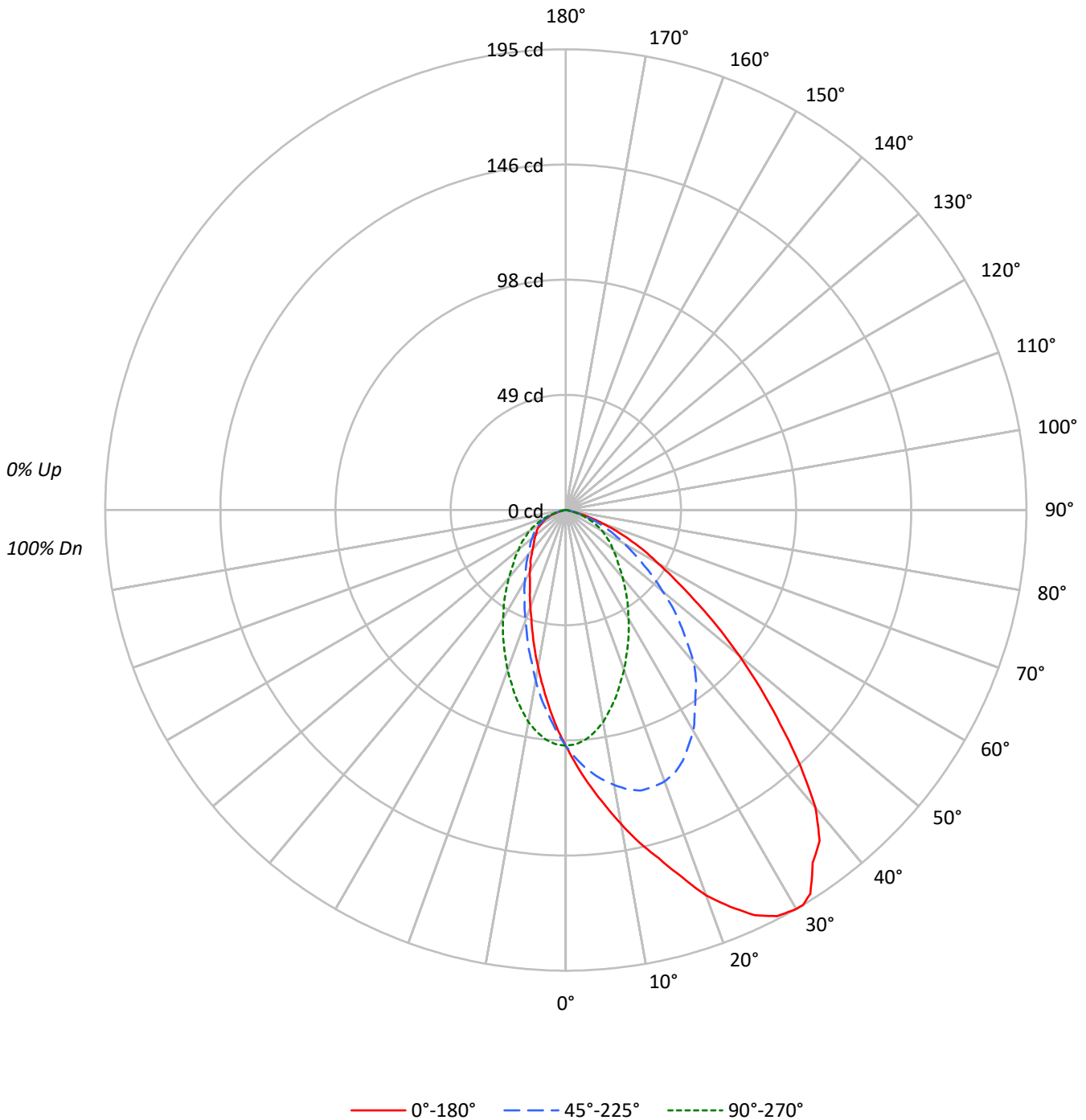
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 203.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88	
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76	
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66	
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58	
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51	51	
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46	46	
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41	41	
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37	37	
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34	34	
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31	31	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21884	21884	21884	21884	21884
5°	25776	24367	21462	19040	18292
10°	30060	26319	20285	16321	15030
15°	34688	27900	18593	13757	12304
20°	40510	28539	16825	11574	10221
25°	45777	28332	15073	9920	8662
30°	49375	27321	13445	8761	7748
35°	48800	25618	12046	7870	6960
40°	47060	24102	10734	7099	6269
45°	39880	21274	9644	6605	5892
50°	32647	18285	8870	6311	5697
55°	25347	15216	8372	6155	5735
60°	19735	12631	7850	6052	5307
65°	15566	10481	6901	5707	5085
70°	10707	7758	5578	4809	4424
75°	5338	4406	3897	3389	2965
80°	758	1515	2147	1515	758
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39880 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	4.6
10°-20°	26.0	12.8
20°-30°	38.3	18.9
30°-40°	42.9	21.2
40°-50°	37.8	18.6
50°-60°	27.0	13.3
60°-70°	16.0	7.9
70°-80°	5.4	2.6
80°-90°	0.3	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
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0°-30°	73.6	36.3
0°-40°	116.6	57.4
0°-60°	181.4	89.3
0°-90°	203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	100	100	100	100	100	
5°	117	111	98	86	83	12
15°	153	123	82	61	54	44
25°	189	117	62	41	36	87
35°	182	96	45	29	26	115
45°	129	69	31	21	19	99
55°	66	40	22	16	15	61
65°	30	20	13	11	10	30
75°	6	5	5	4	4	8
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2.5°	108.4	108.4	108.4	107.3	107.3	105.6	104.4	102.7	101.5	99.8	99.2
5°	117.1	117.1	115.9	114.8	113.0	110.7	107.9	105.0	101.5	98.6	97.5
7.5°	125.7	126.3	124.6	122.3	118.8	114.8	110.7	106.1	100.9	96.9	94.6
10°	135.0	135.0	132.7	129.2	124.0	118.2	111.9	105.6	99.2	93.4	91.1
12.5°	144.2	143.6	140.7	135.5	129.2	121.1	112.5	104.4	96.9	90.0	86.5
15°	152.8	152.8	148.8	142.5	133.2	122.9	112.5	102.1	93.4	85.4	81.9
17.5°	162.7	162.7	157.5	147.7	136.1	122.9	110.7	99.2	89.4	80.7	76.7
20°	173.6	173.0	165.5	152.3	137.3	122.3	108.4	95.7	84.8	75.6	72.1
22.5°	181.7	181.1	172.5	156.3	137.9	120.5	104.4	91.1	80.2	70.9	66.9
25°	189.2	188.0	178.2	158.0	136.7	117.1	100.4	85.9	75.6	66.3	62.3
27.5°	193.8	193.2	182.3	157.5	133.8	112.5	95.2	81.3	70.4	61.1	57.7
30°	195.0	195.5	182.3	154.6	129.2	107.9	90.0	76.1	65.2	57.1	53.1
31°	195.0	195.5	181.1	152.8	127.5	105.6	87.7	74.4	62.9	54.8	51.3
32.5°	192.6	191.5	179.4	150.0	123.4	101.5	84.8	71.5	60.0	51.9	49.0
35°	182.3	182.8	173.6	143.6	117.7	95.7	79.0	65.8	54.8	47.9	45.0
37.5°	176.5	176.5	159.8	135.0	111.3	90.6	72.1	59.4	50.2	43.8	41.0
40°	164.4	162.7	147.1	125.7	103.8	84.2	68.1	55.4	46.1	39.8	37.5
42.5°	147.1	145.3	133.2	117.7	94.0	76.1	64.6	49.0	41.5	36.3	34.0
45°	128.6	127.5	118.2	103.8	84.8	68.6	55.9	45.0	38.1	32.9	31.1
47.5°	111.9	110.2	103.2	92.3	76.7	61.7	48.4	40.4	34.0	30.0	28.8
50°	95.7	95.2	89.4	80.7	68.1	53.6	42.7	35.8	31.1	27.7	26.0
52.5°	80.7	79.6	76.7	69.8	59.4	46.7	37.5	31.7	27.7	25.4	24.2
55°	66.3	66.3	63.4	58.8	50.8	39.8	32.9	28.3	24.8	23.1	21.9
57.5°	54.8	54.8	52.5	49.6	42.1	34.0	28.8	24.8	22.5	20.8	19.6
60°	45.0	45.0	43.3	40.4	35.2	28.8	24.8	21.9	20.2	18.5	17.9
62.5°	37.5	36.9	35.8	32.9	28.8	24.2	21.3	19.0	17.3	16.1	15.6
65°	30.0	29.4	28.3	26.0	23.1	20.2	17.9	16.1	15.0	13.8	13.3
67.5°	23.1	23.1	21.9	20.2	17.9	16.1	14.4	13.3	12.1	11.5	11.0
70°	16.7	16.7	16.1	15.0	13.3	12.1	11.0	10.4	9.8	9.2	8.7
72.5°	11.5	11.5	11.0	10.4	9.2	8.7	7.5	7.5	6.9	6.9	6.3
75°	6.3	6.3	6.3	5.8	5.8	5.2	5.2	5.2	4.6	4.6	4.6
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2.5°	98.6	96.9	95.7	95.2	93.4	92.9	92.3	91.7	91.7	91.7
5°	96.3	93.4	90.6	88.8	86.5	85.4	84.2	83.6	83.1	83.1
7.5°	92.3	88.8	85.4	82.5	80.2	77.9	76.7	75.6	75.6	75.0
10°	88.2	83.6	79.6	75.6	73.3	70.4	69.2	68.1	67.5	67.5
12.5°	83.6	77.9	73.3	69.8	66.3	64.0	62.3	61.1	60.6	60.6
15°	78.4	72.7	67.5	64.0	60.6	57.7	55.9	54.8	54.2	54.2
17.5°	73.3	67.5	61.7	58.3	54.8	51.9	50.8	49.6	49.0	48.4
20°	68.6	61.7	57.1	52.5	49.6	47.3	45.6	44.4	43.8	43.8
22.5°	63.4	57.1	51.9	48.4	45.6	43.3	41.0	40.4	39.8	39.8
25°	58.3	52.5	47.9	44.4	41.0	39.2	37.5	36.3	36.3	35.8
27.5°	54.2	48.4	43.8	40.4	38.1	35.8	34.6	33.5	32.9	32.9
30°	49.6	44.4	40.4	37.5	34.6	32.9	31.7	30.6	30.6	30.6
31°	48.4	43.3	39.2	35.8	33.5	31.7	30.6	30.0	29.4	29.4
32.5°	45.6	41.0	36.9	34.0	31.7	30.0	28.8	28.3	28.3	27.7
35°	42.1	37.5	34.0	31.1	29.4	27.7	26.5	26.0	26.0	26.0
37.5°	38.6	34.6	31.1	28.8	27.1	25.4	24.8	23.6	23.6	23.6
40°	35.2	31.7	28.8	26.5	24.8	23.6	23.1	22.5	21.9	21.9
42.5°	32.3	28.8	26.5	24.8	23.1	21.9	21.3	20.8	20.8	20.2
45°	29.4	26.5	24.8	23.1	21.3	20.8	20.2	19.6	19.0	19.0
47.5°	27.1	24.8	22.5	21.3	20.2	19.0	18.5	18.5	17.9	17.9
50°	24.8	22.5	20.8	19.6	18.5	17.9	17.3	17.3	16.7	16.7
52.5°	23.1	20.8	19.6	18.5	17.3	16.7	16.1	16.1	15.6	15.6
55°	20.8	19.0	17.9	17.3	16.1	15.6	15.0	14.4	14.4	15.0
57.5°	19.0	17.9	16.7	16.1	15.0	14.4	13.8	13.8	13.3	13.8
60°	17.3	16.1	15.0	14.4	13.8	13.3	12.7	12.1	12.1	12.1
62.5°	15.6	14.4	13.8	12.7	12.1	12.1	11.5	11.5	11.5	11.0
65°	13.3	12.7	12.1	11.5	11.0	10.4	10.4	9.8	9.8	9.8
67.5°	11.0	10.4	9.8	9.8	9.2	8.7	8.7	8.7	8.7	8.1
70°	8.7	8.1	8.1	7.5	7.5	7.5	6.9	6.9	6.9	6.9
72.5°	6.3	6.3	5.8	5.8	5.8	5.8	5.2	5.2	5.2	5.2
75°	4.6	4.6	4.6	4.0	4.0	4.0	3.5	3.5	3.5	3.5
77.5°	2.9	2.9	2.9	2.9	2.9	2.3	2.3	2.3	2.3	2.3
80°	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)