Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1338356

Luminaire Tested: P3A05R359035DE010 E3A301H

Issue Date: 2/13/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1338356
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab:	INNOVATION CENTER
Issue Date:	2/13/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3A05R359035DE010 E3A301H
Description:	3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3A301H TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	281.1 lumens
Efficiency:	N/A
Efficacy:	39.0 lumens/watt
Spacing Criteria (0/90/45):	2.45 / 0.5 / 1.25
Luminous Opening:	Circular (Dia: 0.25' x H: 0')
CIE Type:	Direct

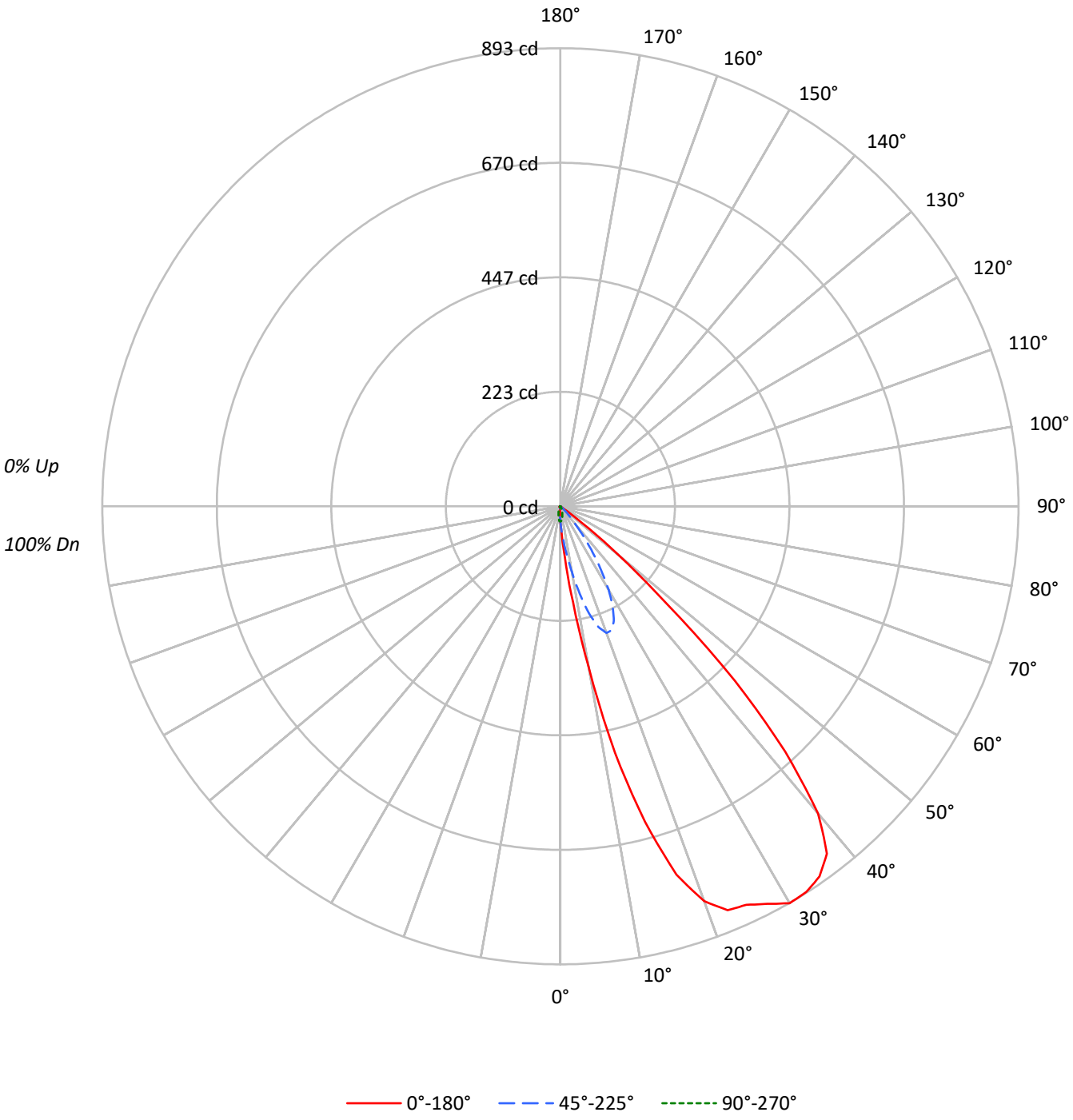
Input Watts (W):	7.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1338356
CATALOG NUMBER: P3A05R359035DE010 E3A301H

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1338356
CATALOG NUMBER: P3A05R359035DE010 E3A301H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6469	6469	6469	6469	6469
5°	22034	14330	6053	2553	1893
10°	70941	29035	4765	957	623
15°	144541	49240	3383	341	227
20°	191117	61325	2170	117	117
25°	207375	59616	1210	73	121
30°	226212	47526	506	76	127
35°	235730	29580	134	80	134
40°	223676	12939	86	143	229
45°	149318	5148	93	248	403
50°	50079	853	171	341	512
55°	2791	115	191	497	688
60°	219	132	351	570	789
65°	259	156	415	675	934
70°	192	192	513	833	962
75°	254	254	678	847	1101
80°	0	379	1010	1010	1010
85°	0	755	2013	755	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 149318 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1338356
CATALOG NUMBER: P3A05R359035DE010 E3A301H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	1.8
10°-20°	40.4	14.4
20°-30°	85.2	30.3
30°-40°	96.7	34.4
40°-50°	47.6	16.9
50°-60°	4.1	1.5
60°-70°	0.9	0.3
70°-80°	0.8	0.3
80°-90°	0.4	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°	130.7	46.5
0°-40°	227.3	80.9
0°-60°	279.0	99.3
0°-90°	281.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	100	65	28	12	9	16
15°	637	217	15	2	1	181
25°	857	246	5	0	0	399
35°	881	110	0	0	0	543
45°	482	17	0	1	1	356
55°	7	0	0	1	2	29
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1338356
CATALOG NUMBER: P3A05R359035DE010 E3A301H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	*29.5*	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
2.5°	*51.2*	52.5	52.0	51.7	51.5	50.4	48.2	47.9	45.7	44.1	36.6
5°	*100.1*	98.1	98.6	95.9	92.3	87.3	84.0	76.9	71.1	65.1	42.6
7.5°	*188.7*	185.9	180.6	172.5	164.2	153.4	137.0	123.9	108.7	94.3	47.4
10°	*318.6*	317.1	310.3	289.6	271.4	242.4	215.2	186.4	158.2	130.4	50.7
12.5°	*492.1*	481.8	469.4	441.9	406.1	369.8	316.1	266.4	221.2	174.8	51.0
15°	*636.7*	630.1	612.7	576.9	533.7	481.3	417.5	350.6	282.5	216.9	48.4
17.5°	*752.9*	742.9	720.4	685.3	635.7	567.5	492.9	411.4	328.4	246.9	44.1
20°	*819.0*	813.7	796.6	761.5	707.3	632.9	547.9	453.0	357.2	262.8	38.6
22.5°	*852.3*	848.5	835.9	807.9	757.2	682.3	585.0	474.7	365.5	261.1	32.8
25°	*857.1*	856.1	845.3	824.1	781.7	707.5	601.1	478.8	358.7	246.4	27.2
27.5°	*873.8*	870.2	857.4	836.2	793.6	711.8	595.5	464.9	336.7	220.7	22.7
30°	*893.4*	*890.9*	*878.1*	*856.1*	*805.7*	*707.8*	*575.9*	*434.1*	*301.7*	*187.7*	*16.9*
32.5°	*891.9*	890.9	880.1	856.9	797.1	684.1	540.8	388.0	254.0	148.1	10.6
35°	*880.6*	877.0	863.4	827.6	748.2	623.0	474.2	325.4	201.0	110.5	6.8
37.5°	*853.3*	845.8	822.8	762.0	660.6	529.0	386.2	251.2	142.3	73.9	4.3
40°	*781.4*	771.9	725.7	652.3	546.1	416.7	287.3	172.8	93.8	45.2	1.8
42.5°	*648.3*	628.8	582.7	507.3	407.6	294.6	188.7	112.0	55.2	27.2	0.5
45°	*481.5*	466.7	418.2	349.9	267.1	188.9	114.3	60.5	30.5	16.6	0.3
47.5°	*280.5*	271.4	246.4	201.5	147.6	99.1	58.5	32.5	17.9	8.1	0.3
50°	*146.8*	135.5	116.5	88.3	65.1	45.7	28.5	17.4	8.8	2.5	0.3
52.5°	*51.5*	50.7	46.2	34.8	28.3	20.4	13.9	7.6	2.5	0.5	0.3
55°	*7.3*	7.3	6.8	7.6	8.1	7.3	4.8	2.0	0.5	0.3	0.3
57.5°	*0.5*	0.5	0.5	0.8	1.0	1.0	0.8	0.3	0.3	0.3	0.5
60°	*0.5*	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
62.5°	*0.5*	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
65°	*0.5*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	*0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	*0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	*0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	*0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	*0.0*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
80°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
90°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1338356
CATALOG NUMBER: P3A05R359035DE010 E3A301H

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	29.5	29.5	29.5	29.5	29.5
2.5°	29.3	23.5	18.7	16.4	15.6
5°	27.5	17.7	11.6	9.1	8.6
7.5°	24.5	12.6	7.1	5.0	4.8
10°	21.4	9.1	4.3	3.0	2.8
12.5°	17.9	6.3	2.8	1.8	1.5
15°	14.9	4.3	1.5	1.3	1.0
17.5°	11.9	2.8	1.0	0.8	1.0
20°	9.3	1.8	0.5	0.5	0.5
22.5°	7.1	1.0	0.5	0.5	0.5
25°	5.0	0.5	0.3	0.3	0.5
27.5°	3.5	0.3	0.3	0.3	0.5
30°	*2.0*	*0.3*	*0.3*	*0.3*	*0.5*
32.5°	1.0	0.3	0.3	0.5	0.5
35°	0.5	0.3	0.3	0.5	0.5
37.5°	0.3	0.3	0.3	0.5	0.8
40°	0.3	0.3	0.5	0.8	0.8
42.5°	0.3	0.3	0.5	0.8	1.0
45°	0.3	0.5	0.8	1.0	1.3
47.5°	0.5	0.5	1.0	1.3	1.5
50°	0.5	0.8	1.0	1.5	1.5
52.5°	0.5	0.8	1.3	1.5	1.8
55°	0.5	1.0	1.3	1.8	1.8
57.5°	0.8	1.0	1.3	1.8	1.8
60°	0.8	1.0	1.3	1.8	1.8
62.5°	0.8	1.0	1.3	1.8	1.8
65°	0.8	1.0	1.3	1.8	1.8
67.5°	0.8	1.0	1.3	1.5	1.8
70°	0.8	1.0	1.3	1.5	1.5
72.5°	1.0	1.0	1.3	1.5	1.5
75°	0.8	1.0	1.0	1.3	1.3
77.5°	0.8	0.8	0.8	1.0	1.0
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.5	0.5	0.8	0.8
85°	0.8	0.5	0.3	0.5	0.5
87.5°	0.5	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)