

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: P1335354

Luminaire Tested: P3A02R359040DE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335354
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: P3A02R359040DE010 E3A301H
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

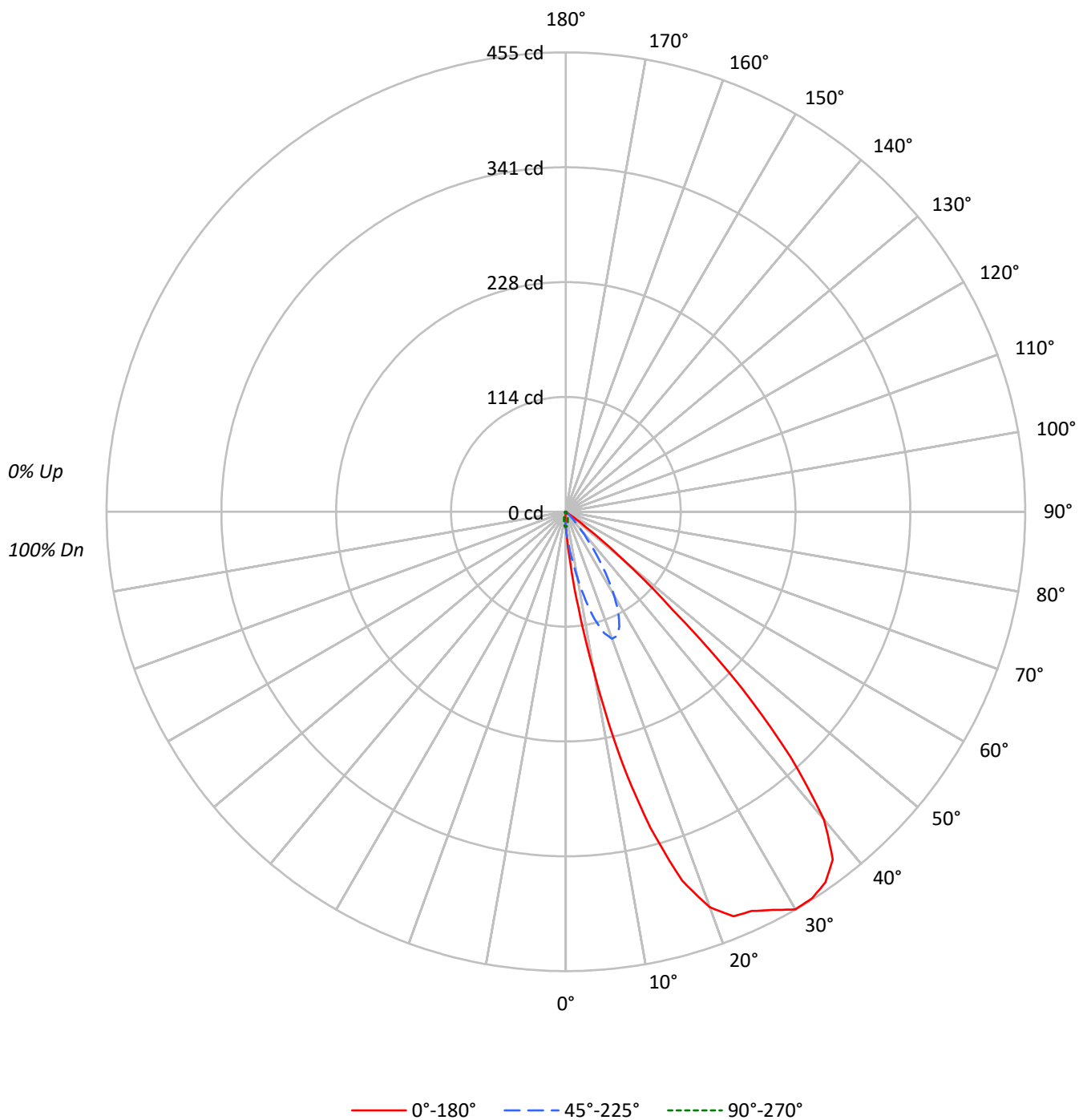
Lumens per Lamp: N/A
Luminaire Lumens: 143.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1335354

CATALOG NUMBER: P3A02R359040DE010 E3A301H

Luminous Intensity Polar Plot



TEST NUMBER: P1335354

CATALOG NUMBER: P3A02R359040DE010 E3A301H

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
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	83	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	61		
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°	3289	3289	3289	3289	3289
5°	11226	7286	3082	1299	969
10°	36094	14785	2427	490	312
15°	73553	25063	1725	182	114
20°	97262	31223	1097	70	70
25°	105538	30340	629	24	73
30°	115132	24181	253	25	76
35°	119953	15044	80	27	80
40°	113842	6584	29	86	115
45°	76008	2636	31	124	186
50°	25483	443	102	171	273
55°	1415	38	115	229	344
60°	132	44	175	263	395
65°	156	52	208	311	467
70°	64	64	256	385	513
75°	85	85	339	424	508
80°	0	126	505	505	505
85°	0	252	1006	252	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76008 cd/sqm

TEST NUMBER: P1335354

CATALOG NUMBER: P3A02R359040DE010 E3A301H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	1.8
10°-20°	20.5	14.4
20°-30°	43.4	30.3
30°-40°	49.2	34.4
40°-50°	24.2	16.9
50°-60°	2.1	1.5
60°-70°	0.4	0.3
70°-80°	0.4	0.3
80°-90°	0.2	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°	66.5	46.5
0°-40°	115.7	80.9
0°-60°	142.0	99.3
0°-90°	143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	143.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	51	33	14	6	4	8
15°	324	110	8	1	0	92
25°	436	125	3	0	0	203
35°	448	56	0	0	0	276
45°	245	8	0	0	1	181
55°	4	0	0	1	1	15
65°	0	0	0	1	1	0
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335354

CATALOG NUMBER: P3A02R359040DE010 E3A301H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2.5°	26.1	26.7	26.4	26.3	26.2	25.7	24.5	24.4	23.2	22.5	18.6
5°	51.0	49.9	50.2	48.8	47.0	44.4	42.7	39.2	36.2	33.1	21.7
7.5°	96.0	94.6	91.9	87.8	83.6	78.0	69.7	63.0	55.3	48.0	24.1
10°	162.1	161.4	157.9	147.4	138.1	123.4	109.5	94.9	80.5	66.4	25.8
12.5°	250.4	245.2	238.9	224.9	206.7	188.2	160.8	135.6	112.6	89.0	25.9
15°	324.0	320.7	311.8	293.6	271.6	244.9	212.4	178.4	143.8	110.4	24.6
17.5°	383.2	378.0	366.6	348.8	323.5	288.8	250.8	209.4	167.1	125.7	22.5
20°	416.8	414.1	405.4	387.5	359.9	322.1	278.8	230.5	181.8	133.8	19.6
22.5°	433.7	431.8	425.4	411.2	385.4	347.2	297.7	241.6	186.0	132.9	16.7
25°	436.2	435.7	430.2	419.4	397.8	360.1	305.9	243.6	182.5	125.4	13.9
27.5°	444.7	442.9	436.3	425.5	403.8	362.2	303.1	236.6	171.4	112.3	11.6
30°	454.7	453.4	446.8	435.7	410.0	360.2	293.1	220.9	153.5	95.5	8.6
32.5°	453.9	453.4	447.9	436.1	405.6	348.1	275.2	197.4	129.3	75.4	5.4
35°	448.1	446.3	439.4	421.2	380.7	317.1	241.3	165.6	102.3	56.2	3.5
37.5°	434.3	430.4	418.7	387.8	336.2	269.2	196.5	127.9	72.4	37.6	2.2
40°	397.7	392.8	369.3	332.0	277.9	212.1	146.2	87.9	47.8	23.0	0.9
42.5°	329.9	320.0	296.5	258.1	207.4	149.9	96.0	57.0	28.1	13.9	0.3
45°	245.1	237.5	212.8	178.0	135.9	96.1	58.1	30.8	15.5	8.5	0.1
47.5°	142.7	138.1	125.4	102.6	75.1	50.4	29.8	16.6	9.1	4.1	0.1
50°	74.7	68.9	59.3	44.9	33.1	23.2	14.5	8.9	4.5	1.3	0.1
52.5°	26.2	25.8	23.5	17.7	14.4	10.4	7.1	3.9	1.3	0.3	0.1
55°	3.7	3.7	3.5	3.9	4.1	3.7	2.4	1.0	0.3	0.1	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.1	0.1	0.1	0.3
60°	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
62.5°	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
65°	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1335354

CATALOG NUMBER: P3A02R359040DE010 E3A301H

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	15.0	15.0	15.0	15.0	15.0
2.5°	14.9	11.9	9.5	8.3	8.0
5°	14.0	9.0	5.9	4.6	4.4
7.5°	12.5	6.4	3.6	2.6	2.4
10°	10.9	4.6	2.2	1.5	1.4
12.5°	9.1	3.2	1.4	0.9	0.8
15°	7.6	2.2	0.8	0.6	0.5
17.5°	6.0	1.4	0.5	0.4	0.5
20°	4.7	0.9	0.3	0.3	0.3
22.5°	3.6	0.5	0.3	0.3	0.3
25°	2.6	0.3	0.1	0.1	0.3
27.5°	1.8	0.1	0.1	0.1	0.3
30°	1.0	0.1	0.1	0.1	0.3
32.5°	0.5	0.1	0.1	0.3	0.3
35°	0.3	0.1	0.1	0.3	0.3
37.5°	0.1	0.1	0.1	0.3	0.4
40°	0.1	0.1	0.3	0.4	0.4
42.5°	0.1	0.1	0.3	0.4	0.5
45°	0.1	0.3	0.4	0.5	0.6
47.5°	0.3	0.3	0.5	0.6	0.8
50°	0.3	0.4	0.5	0.8	0.8
52.5°	0.3	0.4	0.6	0.8	0.9
55°	0.3	0.5	0.6	0.9	0.9
57.5°	0.4	0.5	0.6	0.9	0.9
60°	0.4	0.5	0.6	0.9	0.9
62.5°	0.4	0.5	0.6	0.9	0.9
65°	0.4	0.5	0.6	0.9	0.9
67.5°	0.4	0.5	0.6	0.8	0.9
70°	0.4	0.5	0.6	0.8	0.8
72.5°	0.5	0.5	0.6	0.8	0.8
75°	0.4	0.5	0.5	0.6	0.6
77.5°	0.4	0.4	0.4	0.5	0.5
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.3	0.3	0.4	0.4
85°	0.4	0.3	0.1	0.3	0.3
87.5°	0.3	0.3	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)