

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: P1335465

Luminaire Tested: P3A02R359830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335465
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: P3A02R359830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

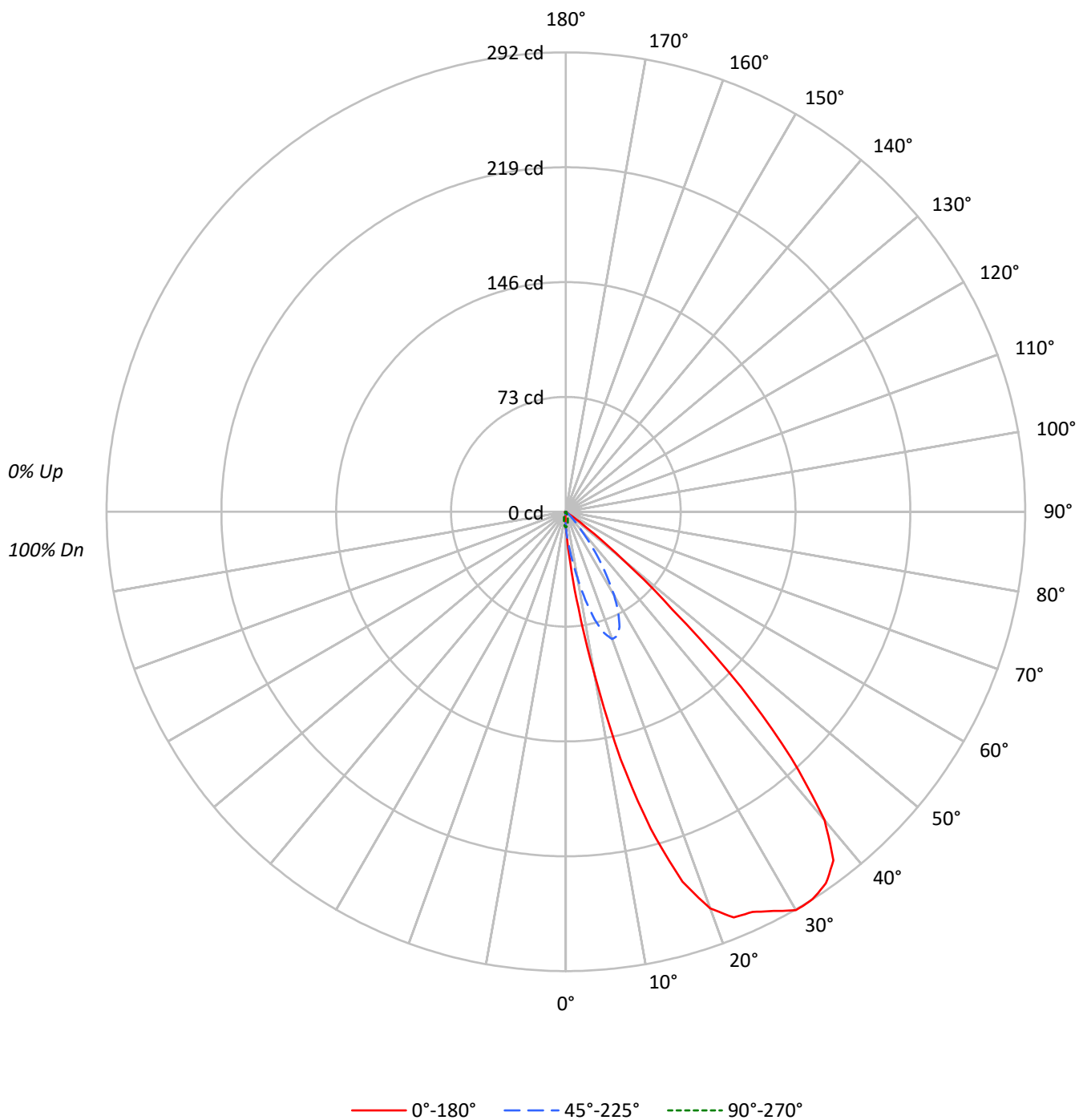
Lumens per Lamp: N/A
Luminaire Lumens: 92.0 lumens
Efficiency: N/A
Efficacy: 25.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335465

CATALOG NUMBER: P3A02R359830DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1335465

CATALOG NUMBER: P3A02R359830DE010 E3A301GPH

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	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	51	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°	2127	2127	2127	2127	2127
5°	7220	4689	1981	836	616
10°	23224	9508	1559	312	200
15°	47310	16118	1112	114	68
20°	62585	20092	723	47	47
25°	67891	19525	411	24	48
30°	74062	15547	177	25	51
35°	77176	9690	54	27	54
40°	73223	4237	29	57	57
45°	48904	1706	31	62	124
50°	16409	273	68	102	171
55°	918	38	76	153	229
60°	88	44	88	175	263
65°	104	52	104	208	311
70°	64	64	128	256	321
75°	85	85	169	254	339
80°	0	126	253	253	253
85°	0	252	503	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48904 cd/sqm

TEST NUMBER: P1335465

CATALOG NUMBER: P3A02R359830DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	1.8
10°-20°	13.2	14.4
20°-30°	27.9	30.3
30°-40°	31.6	34.4
40°-50°	15.6	16.9
50°-60°	1.4	1.5
60°-70°	0.3	0.3
70°-80°	0.2	0.3
80°-90°	0.1	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°	42.8	46.5
0°-40°	74.4	80.9
0°-60°	91.4	99.3
0°-90°	92.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	92.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	33	21	9	4	3	5
15°	208	71	5	0	0	59
25°	281	81	2	0	0	131
35°	288	36	0	0	0	178
45°	158	6	0	0	0	116
55°	2	0	0	0	1	9
65°	0	0	0	0	1	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335465

CATALOG NUMBER: P3A02R359830DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2.5°	16.8	17.2	17.0	16.9	16.8	16.5	15.8	15.7	14.9	14.5	12.0
5°	32.8	32.1	32.3	31.4	30.2	28.6	27.5	25.2	23.3	21.3	14.0
7.5°	61.8	60.9	59.1	56.5	53.8	50.2	44.8	40.5	35.6	30.9	15.5
10°	104.3	103.8	101.6	94.8	88.9	79.4	70.4	61.0	51.8	42.7	16.6
12.5°	161.1	157.7	153.7	144.7	133.0	121.1	103.5	87.2	72.4	57.2	16.7
15°	208.4	206.3	200.6	188.9	174.7	157.6	136.7	114.8	92.5	71.0	15.9
17.5°	246.5	243.2	235.9	224.4	208.1	185.8	161.4	134.7	107.5	80.9	14.5
20°	268.2	266.4	260.8	249.3	231.6	207.2	179.4	148.3	116.9	86.1	12.6
22.5°	279.1	277.8	273.7	264.5	247.9	223.4	191.5	155.4	119.7	85.5	10.7
25°	280.6	280.3	276.7	269.8	255.9	231.7	196.8	156.7	117.4	80.7	8.9
27.5°	286.1	284.9	280.7	273.8	259.8	233.1	195.0	152.2	110.3	72.3	7.4
30°	292.5	291.7	287.5	280.3	263.8	231.7	188.5	142.1	98.8	61.4	5.5
32.5°	292.0	291.7	288.1	280.5	261.0	224.0	177.1	127.0	83.2	48.5	3.5
35°	288.3	287.1	282.7	271.0	244.9	204.0	155.3	106.5	65.8	36.2	2.2
37.5°	279.4	276.9	269.4	249.5	216.3	173.2	126.4	82.3	46.6	24.2	1.4
40°	255.8	252.7	237.6	213.6	178.8	136.4	94.1	56.6	30.7	14.8	0.6
42.5°	212.2	205.9	190.8	166.1	133.5	96.5	61.8	36.7	18.1	8.9	0.2
45°	157.7	152.8	136.9	114.5	87.5	61.9	37.4	19.8	10.0	5.5	0.1
47.5°	91.8	88.9	80.7	66.0	48.3	32.5	19.2	10.7	5.9	2.6	0.1
50°	48.1	44.3	38.2	28.9	21.3	14.9	9.3	5.7	2.9	0.8	0.1
52.5°	16.8	16.6	15.1	11.4	9.2	6.7	4.5	2.5	0.8	0.2	0.1
55°	2.4	2.4	2.2	2.5	2.6	2.4	1.6	0.7	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
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: P1335465

CATALOG NUMBER: P3A02R359830DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	9.7	9.7	9.7	9.7	9.7
2.5°	9.6	7.7	6.1	5.4	5.1
5°	9.0	5.8	3.8	3.0	2.8
7.5°	8.0	4.1	2.3	1.7	1.6
10°	7.0	3.0	1.4	1.0	0.9
12.5°	5.9	2.1	0.9	0.6	0.5
15°	4.9	1.4	0.5	0.4	0.3
17.5°	3.9	0.9	0.3	0.2	0.3
20°	3.1	0.6	0.2	0.2	0.2
22.5°	2.3	0.3	0.2	0.2	0.2
25°	1.7	0.2	0.1	0.1	0.2
27.5°	1.2	0.1	0.1	0.1	0.2
30°	0.7	0.1	0.1	0.1	0.2
32.5°	0.3	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.2
40°	0.1	0.1	0.2	0.2	0.2
42.5°	0.1	0.1	0.2	0.2	0.3
45°	0.1	0.2	0.2	0.3	0.4
47.5°	0.2	0.2	0.3	0.4	0.5
50°	0.2	0.2	0.3	0.5	0.5
52.5°	0.2	0.2	0.4	0.5	0.6
55°	0.2	0.3	0.4	0.6	0.6
57.5°	0.2	0.3	0.4	0.6	0.6
60°	0.2	0.3	0.4	0.6	0.6
62.5°	0.2	0.3	0.4	0.6	0.6
65°	0.2	0.3	0.4	0.6	0.6
67.5°	0.2	0.3	0.4	0.5	0.6
70°	0.2	0.3	0.4	0.5	0.5
72.5°	0.3	0.3	0.4	0.5	0.5
75°	0.2	0.3	0.3	0.4	0.4
77.5°	0.2	0.2	0.2	0.3	0.3
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)