

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: P1345559

Luminaire Tested: P3A13R359827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345559
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: P3A13R359827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

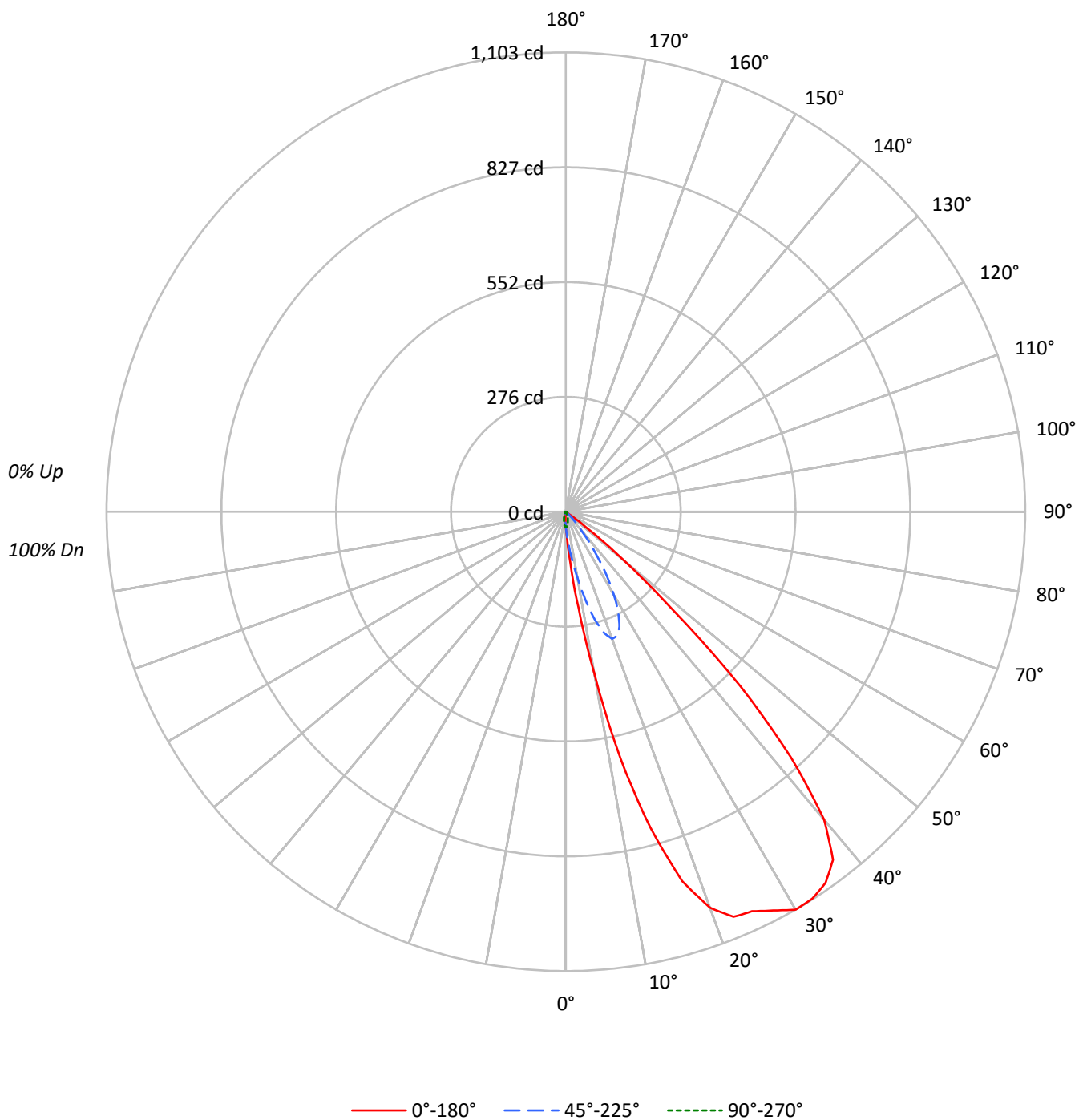
Lumens per Lamp: N/A
Luminaire Lumens: 346.9 lumens
Efficiency: N/A
Efficacy: 23.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1345559

CATALOG NUMBER: P3A13R359827DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1345559

CATALOG NUMBER: P3A13R359827DE010 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°	7982	7982	7982	7982	7982
5°	27229	17698	7484	3148	2333
10°	87596	35849	5901	1180	757
15°	178480	60818	4177	431	272
20°	236014	75747	2684	140	140
25°	256079	73625	1500	73	145
30°	279359	58667	633	76	152
35°	291089	36513	161	80	161
40°	276232	15973	86	172	258
45°	184391	6388	93	279	496
50°	61849	1058	205	409	648
55°	3441	115	229	612	841
60°	263	132	395	702	965
65°	311	156	467	830	1141
70°	192	192	577	1026	1218
75°	254	254	763	1017	1356
80°	0	379	1137	1137	1137
85°	0	755	2264	755	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 184391 cd/sqm

TEST NUMBER: P1345559

CATALOG NUMBER: P3A13R359827DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	1.8
10°-20°	49.8	14.4
20°-30°	105.2	30.3
30°-40°	119.3	34.4
40°-50°	58.7	16.9
50°-60°	5.1	1.5
60°-70°	1.0	0.3
70°-80°	0.9	0.3
80°-90°	0.5	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°	161.3	46.5
0°-40°	280.7	80.9
0°-60°	344.5	99.3
0°-90°	346.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	346.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	124	80	34	14	11	20
15°	786	268	18	2	1	224
25°	1058	304	6	0	1	493
35°	1087	136	1	0	1	670
45°	595	21	0	1	2	439
55°	9	0	1	2	2	35
65°	1	0	1	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1345559

CATALOG NUMBER: P3A13R359827DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
2.5°	63.2	64.8	64.2	63.9	63.5	62.3	59.5	59.2	56.4	54.5	45.2
5°	123.7	121.2	121.8	118.4	114.0	107.8	103.7	95.0	87.8	80.4	52.6
7.5°	233.0	229.6	223.0	213.1	202.8	189.4	169.1	152.9	134.3	116.5	58.6
10°	393.4	391.5	383.1	357.6	335.2	299.3	265.7	230.2	195.3	161.0	62.6
12.5°	607.7	594.9	579.7	545.7	501.5	456.6	390.3	328.9	273.2	215.9	62.9
15°	786.2	778.1	756.6	712.4	659.1	594.3	515.5	433.0	348.9	267.9	59.8
17.5°	929.8	917.3	889.6	846.3	785.0	700.9	608.6	508.0	405.6	304.9	54.5
20°	1011.4	1004.9	983.7	940.4	873.4	781.5	676.6	559.4	441.1	324.6	47.7
22.5°	1052.5	1047.8	1032.3	997.7	935.1	842.6	722.3	586.2	451.3	322.4	40.5
25°	1058.4	1057.2	1043.8	1017.6	965.3	873.7	742.3	591.2	442.9	304.3	33.6
27.5°	1079.0	1074.6	1058.8	1032.6	979.9	879.0	735.4	574.1	415.8	272.6	28.0
30°	1103.3	1100.2	1084.3	1057.2	994.9	874.0	711.1	536.1	372.5	231.7	20.9
32.5°	1101.4	1100.2	1086.8	1058.1	984.3	844.8	667.8	479.1	313.7	182.8	13.1
35°	1087.4	1083.0	1066.2	1022.0	923.9	769.4	585.6	401.8	248.3	136.4	8.4
37.5°	1053.8	1044.4	1016.1	941.0	815.8	653.2	476.9	310.2	175.7	91.3	5.3
40°	965.0	953.2	896.2	805.5	674.4	514.6	354.8	213.4	115.9	55.8	2.2
42.5°	800.5	776.5	719.5	626.4	503.4	363.8	233.0	138.3	68.2	33.6	0.6
45°	594.6	576.3	516.4	432.0	329.9	233.3	141.1	74.8	37.7	20.6	0.3
47.5°	346.4	335.2	304.3	248.9	182.2	122.4	72.3	40.2	22.1	10.0	0.3
50°	181.3	167.3	143.9	109.0	80.4	56.4	35.2	21.5	10.9	3.1	0.3
52.5°	63.5	62.6	57.0	43.0	34.9	25.2	17.1	9.3	3.1	0.6	0.3
55°	9.0	9.0	8.4	9.3	10.0	9.0	5.9	2.5	0.6	0.3	0.3
57.5°	0.6	0.6	0.6	0.9	1.2	1.2	0.9	0.3	0.3	0.3	0.6
60°	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
62.5°	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
65°	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
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: P1345559

CATALOG NUMBER: P3A13R359827DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	36.4	36.4	36.4	36.4	36.4
2.5°	36.1	29.0	23.1	20.2	19.3
5°	34.0	21.8	14.3	11.2	10.6
7.5°	30.2	15.6	8.7	6.2	5.9
10°	26.5	11.2	5.3	3.7	3.4
12.5°	22.1	7.8	3.4	2.2	1.9
15°	18.4	5.3	1.9	1.6	1.2
17.5°	14.6	3.4	1.2	0.9	1.2
20°	11.5	2.2	0.6	0.6	0.6
22.5°	8.7	1.2	0.6	0.6	0.6
25°	6.2	0.6	0.3	0.3	0.6
27.5°	4.4	0.3	0.3	0.3	0.6
30°	2.5	0.3	0.3	0.3	0.6
32.5°	1.2	0.3	0.3	0.6	0.6
35°	0.6	0.3	0.3	0.6	0.6
37.5°	0.3	0.3	0.3	0.6	0.9
40°	0.3	0.3	0.6	0.9	0.9
42.5°	0.3	0.3	0.6	0.9	1.2
45°	0.3	0.6	0.9	1.2	1.6
47.5°	0.6	0.6	1.2	1.6	1.9
50°	0.6	0.9	1.2	1.9	1.9
52.5°	0.6	0.9	1.6	1.9	2.2
55°	0.6	1.2	1.6	2.2	2.2
57.5°	0.9	1.2	1.6	2.2	2.2
60°	0.9	1.2	1.6	2.2	2.2
62.5°	0.9	1.2	1.6	2.2	2.2
65°	0.9	1.2	1.6	2.2	2.2
67.5°	0.9	1.2	1.6	1.9	2.2
70°	0.9	1.2	1.6	1.9	1.9
72.5°	1.2	1.2	1.6	1.9	1.9
75°	0.9	1.2	1.2	1.6	1.6
77.5°	0.9	0.9	0.9	1.2	1.2
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.6	0.6	0.9	0.9
85°	0.9	0.6	0.3	0.6	0.6
87.5°	0.6	0.6	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)