

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: P1341549

Luminaire Tested: P3A09R309840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R309840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

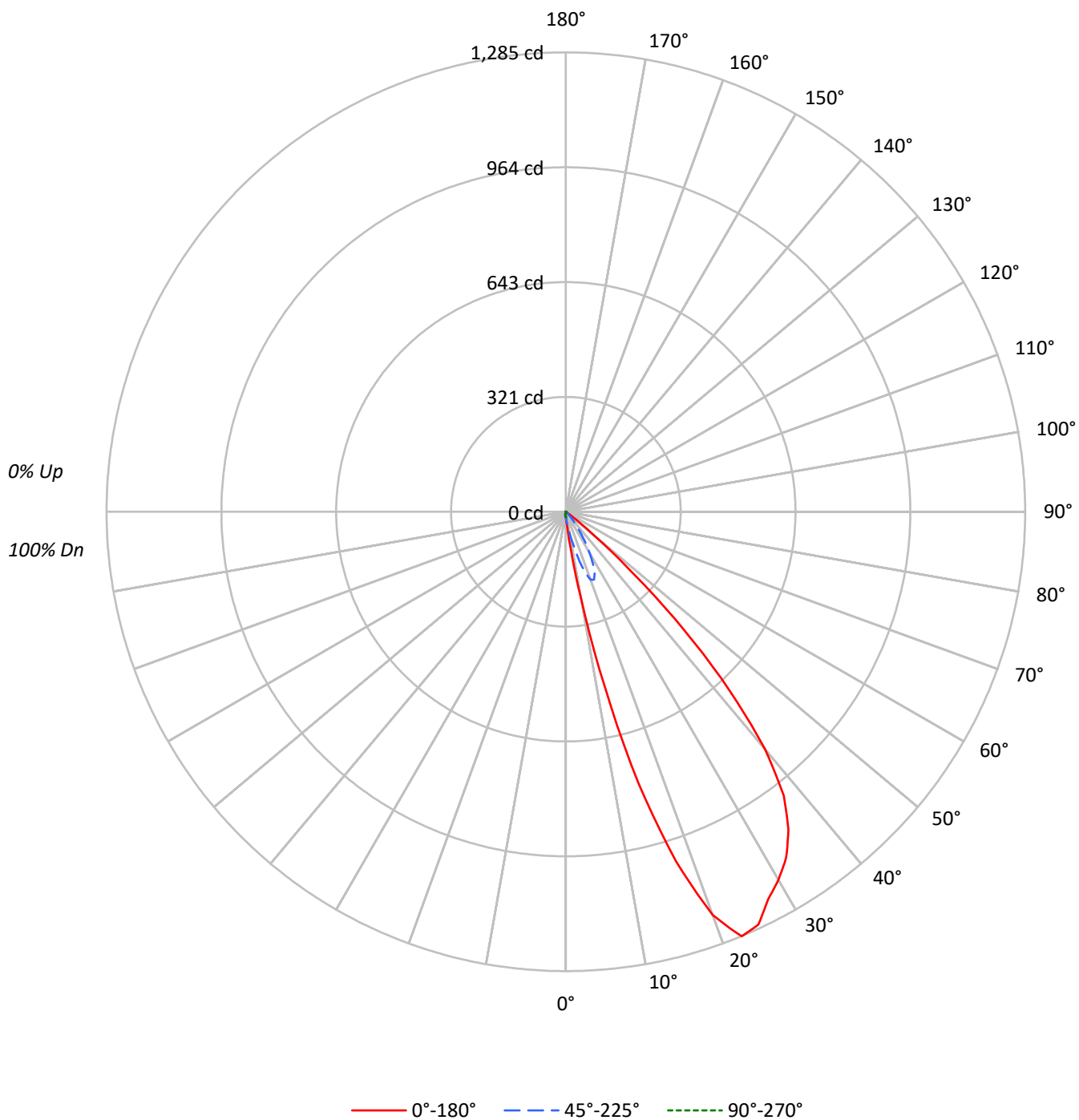
Lumens per Lamp: N/A
Luminaire Lumens: 303.0 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	87	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	66	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3158	3158	3158	3158	3158
5°	9509	6339	2994	1343	1101
10°	55042	13449	2338	623	423
15°	179070	30488	1635	136	68
20°	280211	47161	1027	0	0
25°	308292	46091	532	0	0
30°	301110	33220	203	0	0
35°	290607	18899	80	0	0
40°	247836	8015	0	0	0
45°	145441	3008	93	0	93
50°	35342	580	102	102	273
55°	3058	0	229	306	421
60°	132	0	263	351	614
65°	156	156	415	415	726
70°	192	192	513	513	705
75°	0	254	678	678	678
80°	0	379	1010	758	758
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 145441 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.9
10°-20°	41.6	13.7
20°-30°	105.8	34.9
30°-40°	105.5	34.8
40°-50°	42.7	14.1
50°-60°	3.0	1.0
60°-70°	0.7	0.2
70°-80°	0.7	0.2
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°	150.1	49.5
0°-40°	255.6	84.3
0°-60°	301.3	99.4
0°-90°	303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	303.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	43	29	14	6	5	10
15°	789	134	7	1	0	230
25°	1274	190	2	0	0	575
35°	1086	71	0	0	0	665
45°	469	10	0	0	0	358
55°	8	0	1	1	1	21
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
2.5°	23.8	24.1	24.1	23.5	23.3	23.3	22.4	22.1	21.3	20.5	17.7
5°	43.2	42.4	41.3	41.3	38.8	37.4	35.4	33.2	31.6	28.8	20.5
7.5°	98.0	91.4	89.4	86.9	77.5	70.0	61.5	54.0	47.1	41.3	22.7
10°	247.2	234.2	223.4	201.6	174.2	147.8	123.5	95.2	75.9	60.4	24.4
12.5°	498.1	480.7	459.9	420.0	368.8	303.2	245.0	183.0	128.5	88.9	24.9
15°	788.8	759.2	726.8	676.1	592.2	498.1	393.2	294.3	206.3	134.3	24.4
17.5°	1025.8	1014.2	966.3	897.1	794.3	673.1	543.8	408.7	278.3	175.8	22.7
20°	1200.8	1192.8	1134.9	1061.3	945.5	806.5	642.3	480.1	328.4	202.1	20.2
22.5°	1285.2	1283.9	1242.1	1166.7	1044.1	886.5	705.7	521.4	343.9	205.7	16.9
25°	1274.2	1279.2	1255.3	1199.4	1081.7	919.5	724.6	521.4	332.5	190.5	14.1
27.5°	1223.8	1227.1	1212.1	1169.2	1059.6	895.7	698.3	487.8	299.6	163.6	11.6
30°	1189.2	1190.6	1172.0	1126.0	1009.8	841.4	636.3	425.8	249.7	131.2	8.6
32.5°	1147.1	1146.8	1125.2	1072.6	944.4	765.3	557.6	351.9	191.9	99.7	5.0
35°	1085.6	1078.7	1049.3	988.7	847.0	662.8	457.1	268.0	138.2	70.6	3.0
37.5°	1001.2	983.2	941.6	860.5	710.2	519.7	338.9	188.3	94.4	46.8	1.9
40°	865.8	846.7	790.2	691.6	537.1	374.1	228.4	122.7	59.5	28.0	1.1
42.5°	678.9	665.9	589.7	491.4	354.7	238.7	137.3	72.5	33.5	16.1	0.3
45°	469.0	452.1	392.3	309.0	212.9	132.3	77.0	37.9	19.1	9.7	0.0
47.5°	258.9	238.1	203.5	160.0	107.1	69.5	38.8	20.5	10.8	4.7	0.0
50°	103.6	102.7	81.7	58.1	41.0	31.6	19.4	11.1	5.5	1.7	0.3
52.5°	36.3	36.3	31.3	25.5	19.9	14.4	9.7	5.3	1.9	0.6	0.3
55°	8.0	8.9	8.3	7.8	7.5	6.4	4.2	1.9	0.6	0.0	0.3
57.5°	0.8	0.8	0.8	1.1	1.4	1.4	1.1	0.6	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.6
65°	0.3	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	0.8
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°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	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	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	14.4	14.4	14.4	14.4	14.4
2.5°	14.4	11.4	9.4	8.3	8.0
5°	13.6	8.6	6.1	5.3	5.0
7.5°	12.2	6.4	4.2	3.3	3.0
10°	10.5	4.7	2.8	1.9	1.9
12.5°	8.9	3.6	1.7	0.8	0.6
15°	7.2	2.2	0.6	0.3	0.3
17.5°	5.5	1.4	0.0	0.0	0.0
20°	4.4	0.6	0.0	0.0	0.0
22.5°	3.3	0.3	0.0	0.0	0.0
25°	2.2	0.0	0.0	0.0	0.0
27.5°	1.4	0.0	0.0	0.0	0.0
30°	0.8	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.6	0.6
50°	0.3	0.3	0.3	0.6	0.8
52.5°	0.6	0.3	0.6	0.8	0.8
55°	0.6	0.6	0.8	1.1	1.1
57.5°	0.6	0.6	0.8	1.1	1.1
60°	0.6	0.6	0.8	1.1	1.4
62.5°	0.8	0.8	0.8	1.1	1.1
65°	0.8	0.8	0.8	1.1	1.4
67.5°	0.8	0.8	0.8	1.1	1.4
70°	0.8	0.8	0.8	1.1	1.1
72.5°	1.1	0.8	0.8	1.1	1.1
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.6	0.8	0.8
80°	0.8	0.6	0.6	0.6	0.6
82.5°	0.8	0.6	0.6	0.6	0.6
85°	0.8	0.6	0.3	0.3	0.3
87.5°	0.8	0.6	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)