

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: P1335033

Luminaire Tested: P3A02R309050DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335033
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: P3A02R309050DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

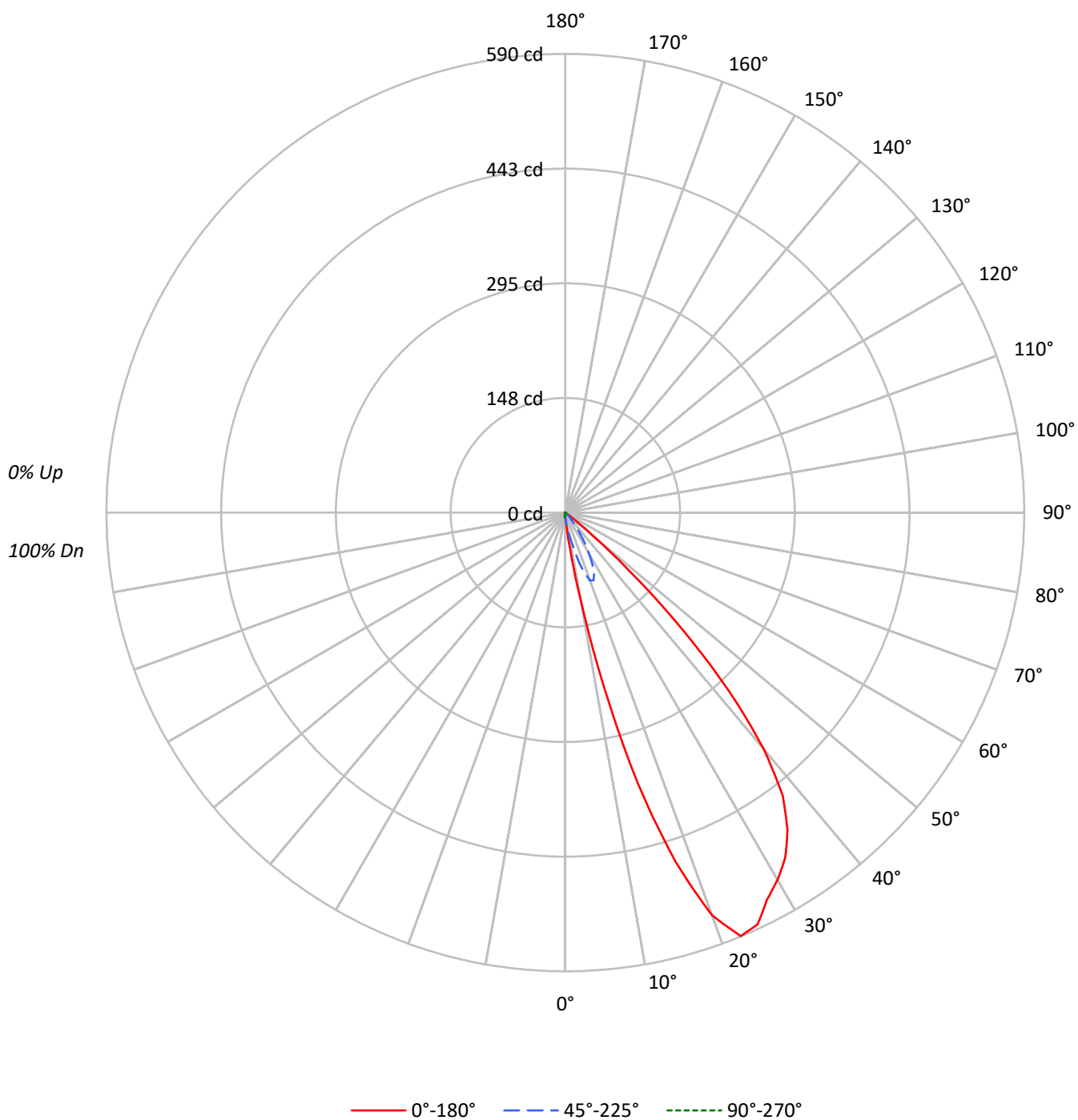
Lumens per Lamp: N/A
Luminaire Lumens: 139.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1447	1447	1447	1447	1447
5°	4358	2906	1365	616	506
10°	25250	6168	1069	289	200
15°	82157	13984	749	68	23
20°	128555	21632	467	0	0
25°	141419	21146	242	0	0
30°	138123	15243	101	0	0
35°	133311	8673	27	0	0
40°	113699	3664	0	0	0
45°	66736	1364	31	0	31
50°	16204	273	34	34	136
55°	1415	0	115	153	191
60°	44	0	132	175	263
65°	52	52	208	208	311
70°	64	64	256	256	321
75°	0	85	339	339	339
80°	0	126	505	379	379
85°	0	252	1006	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66736 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.9
10°-20°	19.1	13.7
20°-30°	48.5	34.9
30°-40°	48.4	34.8
40°-50°	19.6	14.1
50°-60°	1.4	1.0
60°-70°	0.3	0.2
70°-80°	0.3	0.2
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°	68.9	49.5
0°-40°	117.3	84.3
0°-60°	138.2	99.4
0°-90°	139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	139.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7	7	7	7	7	
5°	20	13	6	3	2	5
15°	362	62	3	0	0	105
25°	584	87	1	0	0	264
35°	498	32	0	0	0	305
45°	215	4	0	0	0	164
55°	4	0	0	0	0	10
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	10.9	11.1	11.1	10.8	10.7	10.7	10.3	10.2	9.8	9.4	8.1
5°	19.8	19.4	18.9	18.9	17.8	17.1	16.3	15.2	14.5	13.2	9.4
7.5°	45.0	41.9	41.0	39.9	35.6	32.1	28.2	24.8	21.6	18.9	10.4
10°	113.4	107.5	102.5	92.5	79.9	67.8	56.6	43.7	34.8	27.7	11.2
12.5°	228.5	220.5	211.0	192.7	169.2	139.1	112.4	84.0	58.9	40.8	11.4
15°	361.9	348.3	333.4	310.2	271.7	228.5	180.4	135.0	94.6	61.6	11.2
17.5°	470.6	465.3	443.3	411.5	364.4	308.8	249.5	187.5	127.6	80.7	10.4
20°	550.9	547.2	520.6	486.8	433.8	370.0	294.7	220.2	150.6	92.7	9.3
22.5°	589.6	589.0	569.8	535.2	479.0	406.7	323.8	239.2	157.8	94.4	7.7
25°	584.5	586.8	575.9	550.2	496.2	421.8	332.4	239.2	152.5	87.4	6.5
27.5°	561.4	562.9	556.1	536.4	486.1	410.9	320.3	223.8	137.4	75.1	5.3
30°	545.5	546.2	537.7	516.6	463.2	386.0	291.9	195.3	114.6	60.2	3.9
32.5°	526.2	526.1	516.2	492.1	433.2	351.1	255.8	161.4	88.0	45.7	2.3
35°	498.0	494.8	481.4	453.6	388.5	304.1	209.7	122.9	63.4	32.4	1.4
37.5°	459.3	451.0	432.0	394.8	325.8	238.4	155.5	86.4	43.3	21.5	0.9
40°	397.2	388.4	362.5	317.3	246.4	171.6	104.8	56.3	27.3	12.8	0.5
42.5°	311.4	305.5	270.5	225.5	162.7	109.5	63.0	33.3	15.4	7.4	0.1
45°	215.2	207.4	180.0	141.7	97.7	60.7	35.3	17.4	8.8	4.4	0.0
47.5°	118.8	109.2	93.4	73.4	49.2	31.9	17.8	9.4	5.0	2.2	0.0
50°	47.5	47.1	37.5	26.7	18.8	14.5	8.9	5.1	2.5	0.8	0.1
52.5°	16.6	16.6	14.4	11.7	9.1	6.6	4.4	2.4	0.9	0.3	0.1
55°	3.7	4.1	3.8	3.6	3.4	2.9	1.9	0.9	0.3	0.0	0.1
57.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.3	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.3
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.3
65°	0.1	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°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	6.6	6.6	6.6	6.6	6.6
2.5°	6.6	5.2	4.3	3.8	3.7
5°	6.2	3.9	2.8	2.4	2.3
7.5°	5.6	2.9	1.9	1.5	1.4
10°	4.8	2.2	1.3	0.9	0.9
12.5°	4.1	1.7	0.8	0.4	0.3
15°	3.3	1.0	0.3	0.1	0.1
17.5°	2.5	0.6	0.0	0.0	0.0
20°	2.0	0.3	0.0	0.0	0.0
22.5°	1.5	0.1	0.0	0.0	0.0
25°	1.0	0.0	0.0	0.0	0.0
27.5°	0.6	0.0	0.0	0.0	0.0
30°	0.4	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	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°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.3	0.3
50°	0.1	0.1	0.1	0.3	0.4
52.5°	0.3	0.1	0.3	0.4	0.4
55°	0.3	0.3	0.4	0.5	0.5
57.5°	0.3	0.3	0.4	0.5	0.5
60°	0.3	0.3	0.4	0.5	0.6
62.5°	0.4	0.4	0.4	0.5	0.5
65°	0.4	0.4	0.4	0.5	0.6
67.5°	0.4	0.4	0.4	0.5	0.6
70°	0.4	0.4	0.4	0.5	0.5
72.5°	0.5	0.4	0.4	0.5	0.5
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.3	0.4	0.4
80°	0.4	0.3	0.3	0.3	0.3
82.5°	0.4	0.3	0.3	0.3	0.3
85°	0.4	0.3	0.1	0.1	0.1
87.5°	0.4	0.3	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)