

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: P1335081

Luminaire Tested: P3A02R309735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335081
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: P3A02R309735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

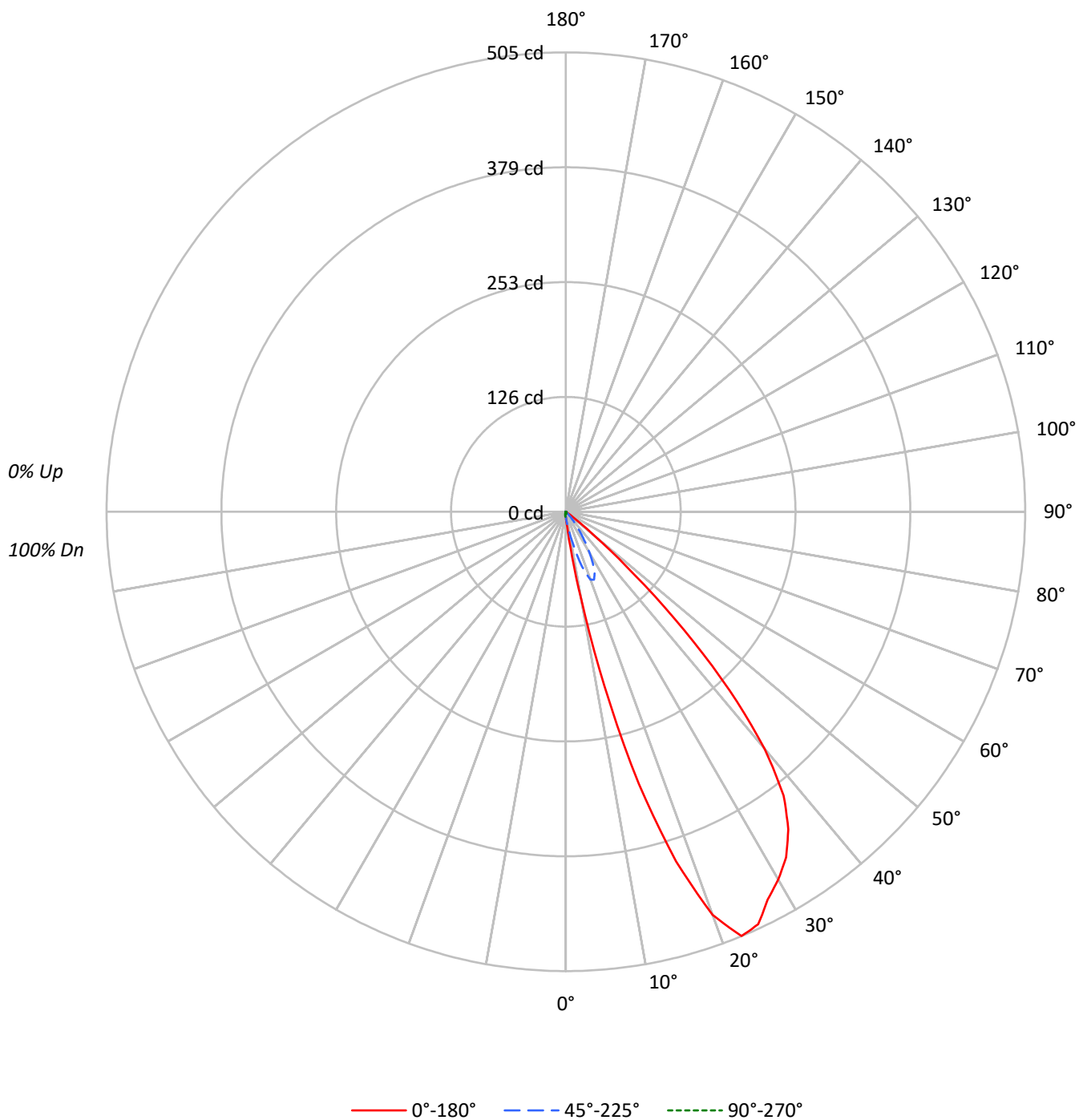
Lumens per Lamp: N/A
Luminaire Lumens: 118.9 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.49 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	81	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	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	50	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1250	1250	1250	1250	1250
5°	3742	2487	1167	528	440
10°	21621	5277	913	245	178
15°	70330	11964	636	45	23
20°	110050	18528	397	0	0
25°	121072	18098	218	0	0
30°	118246	13040	76	0	0
35°	114144	7415	27	0	0
40°	97325	3149	0	0	0
45°	57122	1178	31	0	31
50°	13884	239	34	34	102
55°	1223	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.9
10°-20°	16.4	13.8
20°-30°	41.6	34.9
30°-40°	41.4	34.8
40°-50°	16.8	14.1
50°-60°	1.1	1.0
60°-70°	0.2	0.2
70°-80°	0.2	0.2
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°	59.0	49.6
0°-40°	100.4	84.4
0°-60°	118.3	99.5
0°-90°	118.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	118.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6	6	6	6	6	
5°	17	11	5	2	2	4
15°	310	53	3	0	0	90
25°	500	75	1	0	0	226
35°	426	28	0	0	0	261
45°	184	4	0	0	0	141
55°	3	0	0	0	0	8
65°	0	0	0	0	0	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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	9.4	9.5	9.5	9.2	9.1	9.1	8.8	8.7	8.4	8.0	7.0
5°	17.0	16.6	16.2	16.2	15.2	14.7	13.9	13.0	12.4	11.3	8.0
7.5°	38.5	35.9	35.1	34.1	30.4	27.5	24.1	21.2	18.5	16.2	8.9
10°	97.1	92.0	87.8	79.2	68.4	58.1	48.5	37.4	29.8	23.7	9.6
12.5°	195.6	188.8	180.6	165.0	144.8	119.1	96.2	71.9	50.5	34.9	9.8
15°	309.8	298.2	285.4	265.5	232.6	195.6	154.4	115.6	81.0	52.7	9.6
17.5°	402.9	398.3	379.5	352.3	312.0	264.3	213.6	160.5	109.3	69.0	8.9
20°	471.6	468.4	445.7	416.8	371.3	316.8	252.3	188.6	129.0	79.4	7.9
22.5°	504.8	504.2	487.8	458.2	410.1	348.2	277.2	204.8	135.1	80.8	6.6
25°	500.4	502.4	493.0	471.1	424.8	361.1	284.6	204.8	130.6	74.8	5.5
27.5°	480.6	481.9	476.1	459.2	416.1	351.8	274.2	191.6	117.7	64.3	4.6
30°	467.0	467.6	460.3	442.2	396.6	330.5	249.9	167.2	98.1	51.5	3.4
32.5°	450.5	450.4	441.9	421.3	370.9	300.6	219.0	138.2	75.4	39.1	2.0
35°	426.4	423.6	412.1	388.3	332.6	260.3	179.5	105.3	54.3	27.7	1.2
37.5°	393.2	386.1	369.8	338.0	278.9	204.1	133.1	73.9	37.1	18.4	0.8
40°	340.0	332.5	310.3	271.6	211.0	146.9	89.7	48.2	23.4	11.0	0.4
42.5°	266.6	261.5	231.6	193.0	139.3	93.7	53.9	28.5	13.2	6.3	0.1
45°	184.2	177.6	154.1	121.4	83.6	52.0	30.2	14.9	7.5	3.8	0.0
47.5°	101.7	93.5	79.9	62.9	42.1	27.3	15.2	8.0	4.2	1.8	0.0
50°	40.7	40.3	32.1	22.8	16.1	12.4	7.6	4.3	2.2	0.7	0.1
52.5°	14.2	14.2	12.3	10.0	7.8	5.7	3.8	2.1	0.8	0.2	0.1
55°	3.2	3.5	3.3	3.0	2.9	2.5	1.6	0.8	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.2	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	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	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	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	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	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	5.7	5.7	5.7	5.7	5.7
2.5°	5.7	4.5	3.7	3.3	3.2
5°	5.3	3.4	2.4	2.1	2.0
7.5°	4.8	2.5	1.6	1.3	1.2
10°	4.1	1.8	1.1	0.8	0.8
12.5°	3.5	1.4	0.7	0.3	0.2
15°	2.8	0.9	0.2	0.1	0.1
17.5°	2.2	0.5	0.0	0.0	0.0
20°	1.7	0.2	0.0	0.0	0.0
22.5°	1.3	0.1	0.0	0.0	0.0
25°	0.9	0.0	0.0	0.0	0.0
27.5°	0.5	0.0	0.0	0.0	0.0
30°	0.3	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	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)