

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: P1342045

Luminaire Tested: P3A09R359835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342045
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: P3A09R359835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

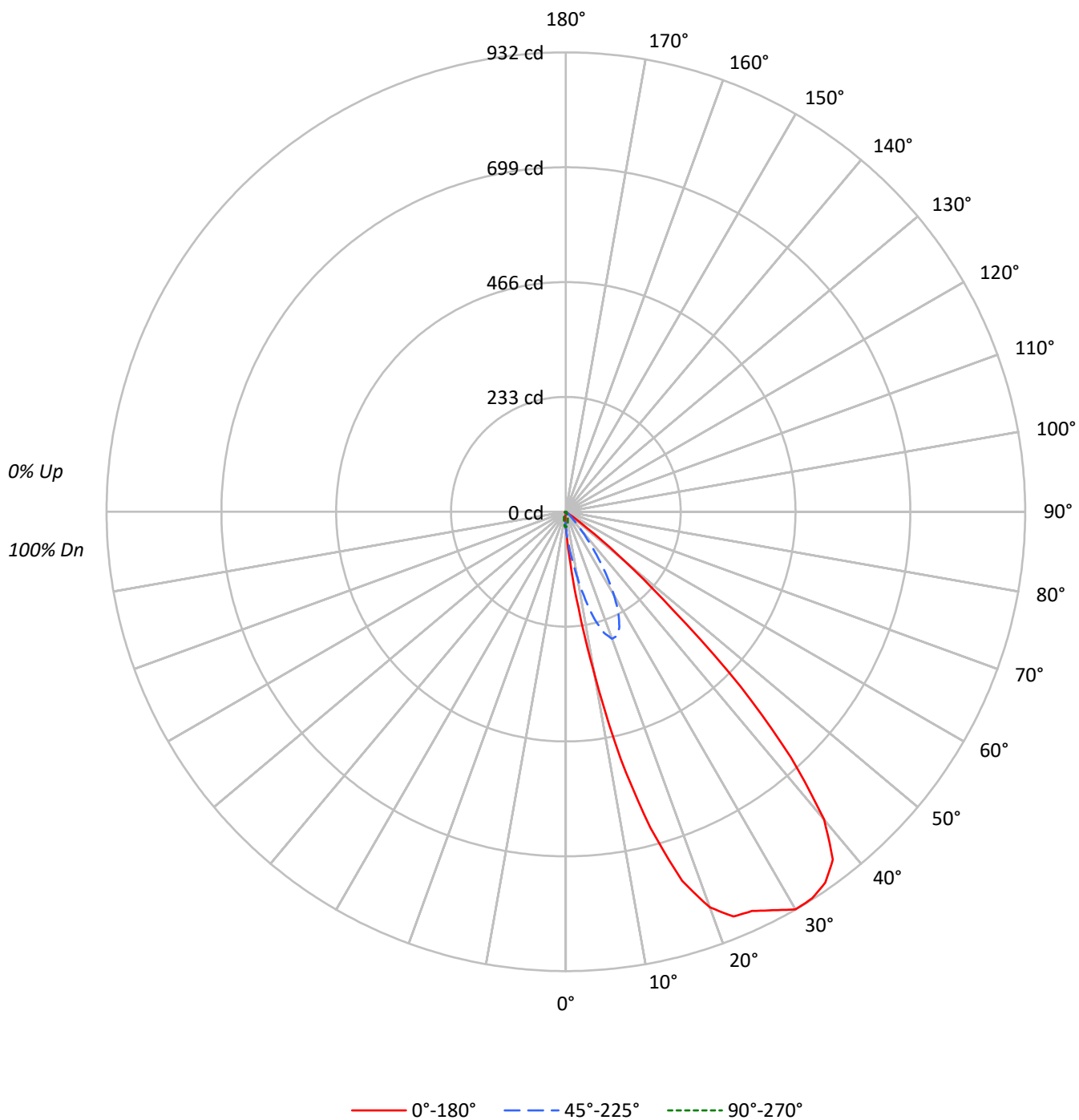
Lumens per Lamp: N/A
Luminaire Lumens: 293.1 lumens
Efficiency: N/A
Efficacy: 26.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6754	6754	6754	6754	6754
5°	22980	14946	6317	2663	1959
10°	73969	30282	4988	1002	646
15°	150716	51351	3519	363	250
20°	199284	63962	2264	117	117
25°	216230	62181	1282	73	121
30°	235884	49552	532	76	127
35°	245795	30838	134	80	134
40°	233237	13482	86	143	229
45°	155706	5396	93	248	403
50°	52229	887	171	375	546
55°	2906	115	191	497	688
60°	219	132	351	570	789
65°	259	156	415	675	934
70°	192	192	513	833	1026
75°	254	254	678	932	1101
80°	0	379	1010	1010	1010
85°	0	755	2013	755	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 155706 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	1.8
10°-20°	42.1	14.4
20°-30°	88.8	30.3
30°-40°	100.8	34.4
40°-50°	49.6	16.9
50°-60°	4.3	1.5
60°-70°	0.9	0.3
70°-80°	0.8	0.3
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°	136.2	46.5
0°-40°	237.0	80.9
0°-60°	290.9	99.3
0°-90°	293.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	104	68	29	12	9	17
15°	664	226	16	2	1	189
25°	894	257	5	0	0	416
35°	918	115	0	0	0	566
45°	502	17	0	1	1	371
55°	8	0	0	1	2	30
65°	0	0	1	1	2	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°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
2.5°	53.4	54.7	54.2	53.9	53.7	52.6	50.2	50.0	47.6	46.0	38.1
5°	104.4	102.3	102.8	99.9	96.3	91.0	87.6	80.2	74.2	67.9	44.4
7.5°	196.7	193.8	188.3	179.9	171.2	159.9	142.8	129.1	113.4	98.4	49.4
10°	332.2	330.6	323.5	301.9	283.0	252.8	224.4	194.4	164.9	136.0	52.9
12.5°	513.1	502.4	489.5	460.8	423.5	385.6	329.6	277.7	230.7	182.3	53.1
15°	663.9	657.0	638.9	601.5	556.5	501.8	435.3	365.6	294.6	226.2	50.5
17.5°	785.1	774.6	751.2	714.6	662.8	591.8	513.9	429.0	342.4	257.5	46.0
20°	854.0	848.5	830.6	794.0	737.5	659.9	571.3	472.4	372.4	274.1	40.2
22.5°	888.7	884.8	871.6	842.4	789.6	711.5	609.9	495.0	381.1	272.2	34.2
25°	893.7	892.7	881.4	859.3	815.1	737.8	626.8	499.2	374.0	257.0	28.4
27.5°	911.1	907.4	894.0	871.9	827.4	742.2	621.0	484.7	351.1	230.1	23.7
30°	931.6	929.0	915.6	892.7	840.1	738.0	600.5	452.6	314.6	195.7	17.6
32.5°	930.0	929.0	917.7	893.5	831.1	713.3	563.9	404.5	264.9	154.4	11.0
35°	918.2	914.5	900.3	863.0	780.1	649.6	494.5	339.3	209.6	115.2	7.1
37.5°	889.8	881.9	858.0	794.6	688.8	551.5	402.7	262.0	148.3	77.1	4.5
40°	814.8	804.8	756.7	680.2	569.4	434.5	299.6	180.2	97.8	47.1	1.8
42.5°	675.9	655.7	607.6	528.9	425.0	307.2	196.7	116.8	57.6	28.4	0.5
45°	502.1	486.6	436.1	364.8	278.5	197.0	119.1	63.1	31.8	17.4	0.3
47.5°	292.5	283.0	257.0	210.1	153.9	103.4	61.0	33.9	18.7	8.4	0.3
50°	153.1	141.2	121.5	92.1	67.9	47.6	29.7	18.1	9.2	2.6	0.3
52.5°	53.7	52.9	48.1	36.3	29.5	21.3	14.5	7.9	2.6	0.5	0.3
55°	7.6	7.6	7.1	7.9	8.4	7.6	5.0	2.1	0.5	0.3	0.3
57.5°	0.5	0.5	0.5	0.8	1.1	1.1	0.8	0.3	0.3	0.3	0.5
60°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
62.5°	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
65°	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
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°	30.8	30.8	30.8	30.8	30.8
2.5°	30.5	24.5	19.5	17.1	16.3
5°	28.7	18.4	12.1	9.5	8.9
7.5°	25.5	13.2	7.4	5.3	5.0
10°	22.4	9.5	4.5	3.2	2.9
12.5°	18.7	6.6	2.9	1.8	1.6
15°	15.5	4.5	1.6	1.3	1.1
17.5°	12.4	2.9	1.1	0.8	1.1
20°	9.7	1.8	0.5	0.5	0.5
22.5°	7.4	1.1	0.5	0.5	0.5
25°	5.3	0.5	0.3	0.3	0.5
27.5°	3.7	0.3	0.3	0.3	0.5
30°	2.1	0.3	0.3	0.3	0.5
32.5°	1.1	0.3	0.3	0.5	0.5
35°	0.5	0.3	0.3	0.5	0.5
37.5°	0.3	0.3	0.3	0.5	0.8
40°	0.3	0.3	0.5	0.8	0.8
42.5°	0.3	0.3	0.5	0.8	1.1
45°	0.3	0.5	0.8	1.1	1.3
47.5°	0.5	0.5	1.1	1.3	1.6
50°	0.5	0.8	1.1	1.6	1.6
52.5°	0.5	0.8	1.3	1.6	1.8
55°	0.5	1.1	1.3	1.8	1.8
57.5°	0.8	1.1	1.3	1.8	1.8
60°	0.8	1.1	1.3	1.8	1.8
62.5°	0.8	1.1	1.3	1.8	1.8
65°	0.8	1.1	1.3	1.8	1.8
67.5°	0.8	1.1	1.3	1.6	1.8
70°	0.8	1.1	1.3	1.6	1.6
72.5°	1.1	1.1	1.3	1.6	1.6
75°	0.8	1.1	1.1	1.3	1.3
77.5°	0.8	0.8	0.8	1.1	1.1
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.5	0.5	0.8	0.8
85°	0.8	0.5	0.3	0.5	0.5
87.5°	0.5	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)