

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: P1343085

Luminaire Tested: P3A09R459840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R459840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

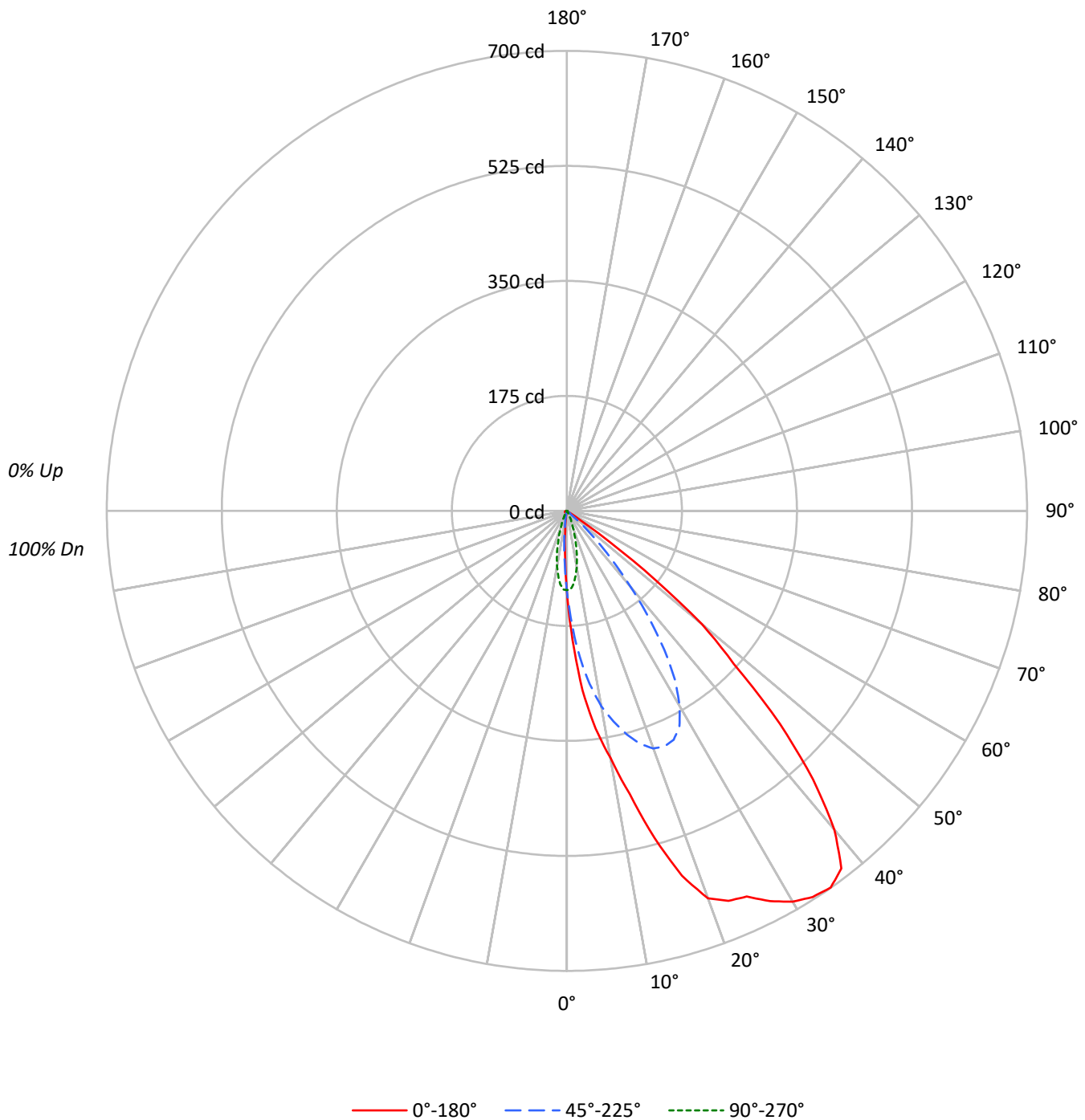
Lumens per Lamp: N/A
Luminaire Lumens: 317.0 lumens
Efficiency: N/A
Efficacy: 28.8 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	84	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	57	52	62	56	51	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	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	26445	26445	26445	26445	26445
5°	60290	48910	24741	9927	6780
10°	84946	67178	19127	2182	1002
15°	117049	79932	12213	726	613
20°	146359	89771	6371	490	490
25°	156638	92933	2952	387	460
30°	173850	86798	1342	405	481
35°	187278	69198	428	428	562
40°	181225	42880	229	544	687
45°	142309	20219	248	651	837
50°	91426	2354	375	819	1092
55°	13878	191	421	1032	1300
60°	219	219	482	1184	1403
65°	259	259	571	1245	1660
70°	321	321	705	1346	1859
75°	254	424	932	1610	2033
80°	379	631	1010	1642	2399
85°	0	755	1258	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 142309 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	4.2
10°-20°	47.7	15.1
20°-30°	83.9	26.5
30°-40°	95.2	30.0
40°-50°	61.7	19.5
50°-60°	12.1	3.8
60°-70°	1.5	0.5
70°-80°	1.2	0.4
80°-90°	0.6	0.2
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°	144.8	45.7
0°-40°	240.0	75.7
0°-60°	313.8	99.0
0°-90°	317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	317.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	274	222	112	45	31	29
15°	516	352	54	3	3	149
25°	647	384	12	2	2	303
35°	700	258	2	2	2	430
45°	459	65	1	2	3	346
55°	36	0	1	3	3	69
65°	0	0	1	2	3	0
75°	0	0	1	2	2	0
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6
2.5°	195.9	195.4	196.2	190.9	190.6	186.6	185.6	181.1	175.0	172.1	165.2
5°	273.9	271.2	271.2	264.8	262.7	258.2	250.5	241.0	233.0	222.2	210.5
7.5°	334.0	333.5	333.5	327.9	322.6	316.3	305.9	295.1	282.3	265.6	248.7
10°	381.5	382.3	379.9	374.9	367.2	360.3	348.1	334.8	319.2	301.7	279.2
12.5°	441.4	435.6	433.7	422.3	412.5	399.3	384.7	369.6	350.2	328.2	302.8
15°	515.6	508.2	500.8	485.7	469.2	448.8	426.0	403.8	378.8	352.1	320.3
17.5°	581.9	581.9	572.1	548.2	527.0	496.8	466.1	436.4	406.9	371.7	331.9
20°	627.2	624.9	617.4	599.9	575.8	541.6	501.6	460.0	424.4	384.7	338.5
22.5°	642.1	641.6	641.8	631.5	612.1	576.6	527.6	478.5	434.0	387.9	335.4
25°	647.4	648.5	651.1	647.1	632.6	597.0	543.5	487.3	436.9	384.1	323.2
27.5°	669.4	667.3	670.2	667.5	651.1	608.7	546.7	485.2	430.5	370.6	301.4
30°	686.6	686.1	691.1	688.8	667.3	616.1	543.7	477.2	414.9	342.8	267.2
32.5°	696.4	696.7	698.0	688.2	656.4	599.9	529.4	461.0	385.5	306.5	222.7
35°	699.6	698.0	690.6	666.5	623.0	562.6	494.2	422.6	345.4	258.5	176.0
37.5°	685.8	677.6	658.5	622.5	572.1	515.6	449.1	374.1	290.6	204.1	131.2
40°	633.1	622.2	598.1	561.2	514.3	459.7	391.6	313.1	225.3	149.8	92.3
42.5°	554.1	548.5	523.3	491.2	451.5	396.3	326.1	246.6	166.8	103.4	58.9
45°	458.9	451.7	435.8	407.5	376.2	318.4	252.9	176.6	113.7	65.2	29.2
47.5°	344.1	344.6	333.8	312.3	281.5	233.3	173.1	118.5	71.3	33.7	6.6
50°	268.0	264.3	248.9	226.9	191.1	155.4	111.9	74.8	37.6	6.9	0.5
52.5°	148.5	150.8	142.6	135.5	116.9	92.8	66.0	37.9	8.0	0.8	0.5
55°	36.3	38.4	36.9	37.6	39.0	34.7	26.8	7.4	0.8	0.5	0.5
57.5°	0.8	0.8	0.8	0.8	1.3	1.9	1.9	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	120.6	120.6	120.6	120.6	120.6	120.6	120.6	120.6
2.5°	161.7	156.7	147.4	119.8	96.2	77.7	66.5	65.5
5°	200.2	186.6	167.0	112.4	71.0	45.1	32.6	30.8
7.5°	230.6	211.6	181.3	100.2	48.5	23.1	12.7	10.6
10°	255.8	228.8	188.8	85.9	30.5	9.8	5.3	4.5
12.5°	273.1	240.5	190.1	70.0	17.5	4.8	3.4	3.2
15°	284.2	244.2	183.7	53.8	9.8	3.2	2.9	2.7
17.5°	288.7	241.0	171.5	39.0	5.3	2.4	2.4	2.4
20°	286.6	230.6	153.5	27.3	3.4	2.1	2.1	2.1
22.5°	276.5	212.9	131.0	18.3	2.4	1.9	1.9	1.9
25°	256.6	188.8	107.1	12.2	1.6	1.6	1.9	1.9
27.5°	226.9	159.1	81.9	8.2	1.3	1.6	1.9	1.9
30°	189.6	125.9	58.9	5.3	1.3	1.6	1.6	1.9
32.5°	150.6	91.7	38.7	3.2	1.1	1.6	1.9	2.1
35°	109.2	62.6	24.7	1.6	1.3	1.6	1.9	2.1
37.5°	76.6	40.8	14.3	1.1	1.3	1.6	2.1	2.1
40°	49.8	22.8	5.3	0.8	1.3	1.9	2.1	2.4
42.5°	26.0	8.0	1.1	0.8	1.3	1.9	2.4	2.7
45°	6.6	1.1	0.3	0.8	1.6	2.1	2.7	2.7
47.5°	0.8	0.3	0.3	1.1	1.6	2.4	2.7	2.9
50°	0.3	0.5	0.5	1.1	1.6	2.4	2.9	3.2
52.5°	0.5	0.5	0.5	1.1	1.9	2.4	3.2	3.4
55°	0.5	0.5	0.5	1.1	1.9	2.7	3.2	3.4
57.5°	0.5	0.5	0.5	1.1	1.9	2.7	3.2	3.2
60°	0.5	0.5	0.5	1.1	1.9	2.7	3.2	3.2
62.5°	0.5	0.5	0.8	1.1	1.9	2.4	3.2	3.2
65°	0.5	0.8	0.8	1.1	1.9	2.4	2.9	3.2
67.5°	0.5	0.5	0.8	1.1	1.9	2.4	2.9	3.2
70°	0.5	0.5	0.8	1.1	1.6	2.1	2.7	2.9
72.5°	0.5	0.5	0.8	1.1	1.6	2.1	2.4	2.7
75°	0.5	0.5	0.8	1.1	1.3	1.9	2.4	2.4
77.5°	0.5	0.5	0.8	0.8	1.3	1.6	2.1	2.1
80°	0.5	0.5	0.8	0.8	1.1	1.3	1.6	1.9
82.5°	0.5	0.5	0.5	0.8	0.8	1.1	1.3	1.3
85°	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
87.5°	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)