

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: P1338808

Luminaire Tested: P3A05R409024DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409024DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

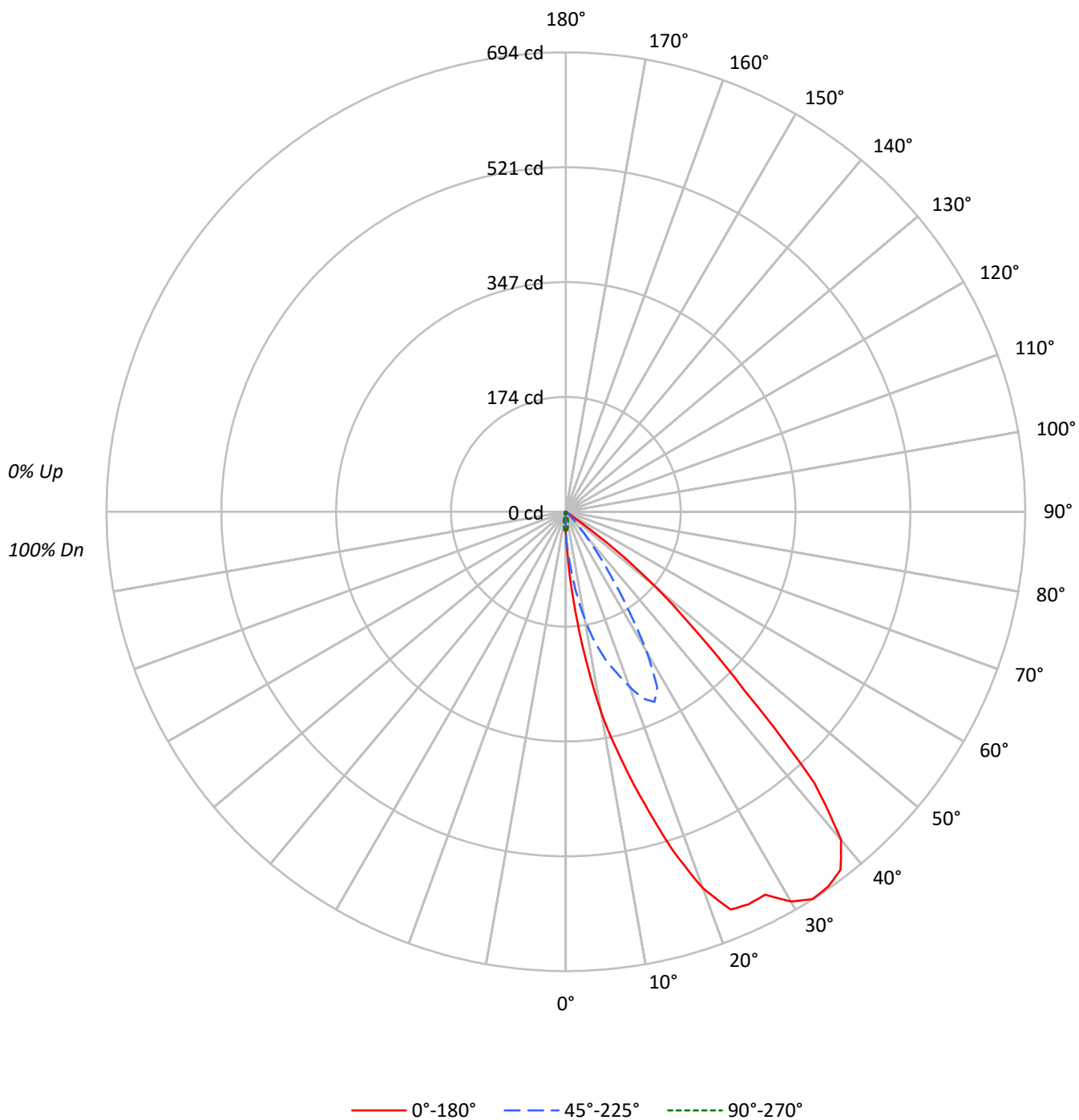
Lumens per Lamp: N/A
Luminaire Lumens: 255.9 lumens
Efficiency: N/A
Efficacy: 35.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	71	90	82	76	71	80	74	70		78	73	69		76
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70
6	80	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6644	6644	6644	6644	6644
5°	29958	19106	5943	2289	1673
10°	68692	36895	4186	824	623
15°	103111	52350	2611	431	386
20°	141179	65642	1517	257	303
25°	158259	76698	774	218	266
30°	172128	61908	329	152	279
35°	185002	31695	107	241	348
40°	185061	12624	57	258	429
45°	118152	4217	124	403	589
50°	61337	512	205	512	751
55°	5276	76	229	650	918
60°	175	88	263	746	1053
65°	208	104	467	778	1141
70°	128	128	577	833	1090
75°	169	169	508	932	1271
80°	253	253	758	758	1137
85°	0	503	1510	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 118152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	2.3
10°-20°	34.6	13.5
20°-30°	75.9	29.7
30°-40°	86.4	33.8
40°-50°	45.6	17.8
50°-60°	5.4	2.1
60°-70°	1.0	0.4
70°-80°	0.8	0.3
80°-90°	0.3	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°	116.4	45.5
0°-40°	202.9	79.3
0°-60°	253.9	99.2
0°-90°	255.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	136	87	27	10	8	18
15°	454	231	12	2	2	134
25°	654	317	3	1	1	301
35°	691	118	0	1	1	428
45°	381	14	0	1	2	307
55°	14	0	1	2	2	43
65°	0	0	1	2	2	0
75°	0	0	1	1	2	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°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
2.5°	67.5	67.5	67.3	65.3	65.1	64.9	61.4	60.6	56.5	53.7	40.9
5°	136.1	133.1	132.8	129.4	123.5	115.8	110.8	102.8	95.0	86.8	50.4
7.5°	216.8	219.4	212.3	208.6	195.6	186.3	172.0	159.5	141.9	125.5	58.2
10°	308.5	304.0	296.9	289.7	275.7	259.0	237.8	215.5	190.2	165.7	62.5
12.5°	380.2	374.3	370.0	360.3	346.4	325.0	299.7	269.8	236.3	201.0	62.3
15°	454.2	448.3	438.6	429.9	409.4	385.3	357.9	318.5	277.4	230.6	57.8
17.5°	535.5	527.9	517.1	503.9	484.0	457.4	422.6	374.5	316.3	254.9	49.5
20°	605.0	600.4	589.6	574.0	554.5	528.6	488.3	435.1	364.1	281.3	39.4
22.5°	650.4	646.3	638.9	625.3	610.6	582.9	546.1	487.7	404.2	305.3	29.9
25°	654.1	652.3	650.4	645.9	637.0	617.3	581.4	518.4	429.1	317.0	22.1
27.5°	652.1	651.5	651.0	648.7	642.8	623.4	586.6	523.0	425.8	298.8	16.2
30°	679.8	677.9	676.8	669.0	653.6	623.6	575.5	498.5	378.4	244.5	11.7
32.5°	693.9	693.5	692.4	684.8	663.2	624.0	556.9	439.4	300.1	176.6	8.0
35°	691.1	688.9	685.0	671.0	640.9	591.8	496.8	350.9	216.6	118.4	5.2
37.5°	681.6	676.6	669.0	643.7	603.7	536.6	402.9	258.3	147.3	76.6	3.0
40°	646.5	639.8	627.9	597.0	544.4	442.3	297.9	174.6	96.7	44.1	0.9
42.5°	555.8	547.2	538.5	503.9	443.8	329.7	196.0	108.0	55.2	24.2	0.2
45°	381.0	370.2	358.3	333.2	285.0	199.7	116.6	60.8	28.6	13.6	0.2
47.5°	264.6	259.6	238.9	206.8	158.6	105.8	60.4	29.9	15.1	6.3	0.2
50°	179.8	174.2	149.9	119.0	84.4	50.6	27.7	14.9	6.7	1.5	0.2
52.5°	94.3	87.4	72.1	55.0	34.2	21.2	12.1	6.5	1.9	0.2	0.2
55°	13.8	12.8	10.4	8.4	7.6	5.8	3.5	1.5	0.2	0.2	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.6
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	30.3	30.3	30.3	30.3	30.3
2.5°	29.9	22.1	17.1	14.7	14.5
5°	27.0	15.8	10.4	8.0	7.6
7.5°	22.9	11.0	6.1	4.3	4.1
10°	18.8	7.6	3.7	3.0	2.8
12.5°	14.9	5.0	2.6	2.4	2.2
15°	11.5	3.2	1.9	1.7	1.7
17.5°	8.7	2.2	1.5	1.5	1.5
20°	6.5	1.5	1.1	1.3	1.3
22.5°	4.5	1.1	0.9	1.1	1.1
25°	3.2	0.9	0.9	1.1	1.1
27.5°	2.2	0.6	0.6	0.9	1.1
30°	1.3	0.4	0.6	0.9	1.1
32.5°	0.6	0.4	0.6	1.1	1.1
35°	0.4	0.6	0.9	1.1	1.3
37.5°	0.2	0.6	0.9	1.3	1.3
40°	0.2	0.6	0.9	1.3	1.5
42.5°	0.4	0.9	1.1	1.5	1.7
45°	0.4	0.9	1.3	1.7	1.9
47.5°	0.4	0.9	1.5	1.9	1.9
50°	0.6	1.1	1.5	1.9	2.2
52.5°	0.6	1.1	1.5	2.2	2.4
55°	0.6	1.1	1.7	2.2	2.4
57.5°	0.6	1.3	1.7	2.2	2.4
60°	0.6	1.1	1.7	2.2	2.4
62.5°	0.9	1.1	1.5	2.2	2.2
65°	0.9	1.1	1.5	2.2	2.2
67.5°	0.9	1.1	1.5	1.9	1.9
70°	0.9	1.1	1.3	1.7	1.7
72.5°	0.9	1.1	1.3	1.5	1.7
75°	0.6	0.9	1.1	1.3	1.5
77.5°	0.6	0.9	0.9	1.3	1.3
80°	0.6	0.6	0.6	0.9	0.9
82.5°	0.6	0.6	0.4	0.6	0.6
85°	0.6	0.4	0.4	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)