

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: P1337880

Luminaire Tested: P3A05R309050DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337880
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: P3A05R309050DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

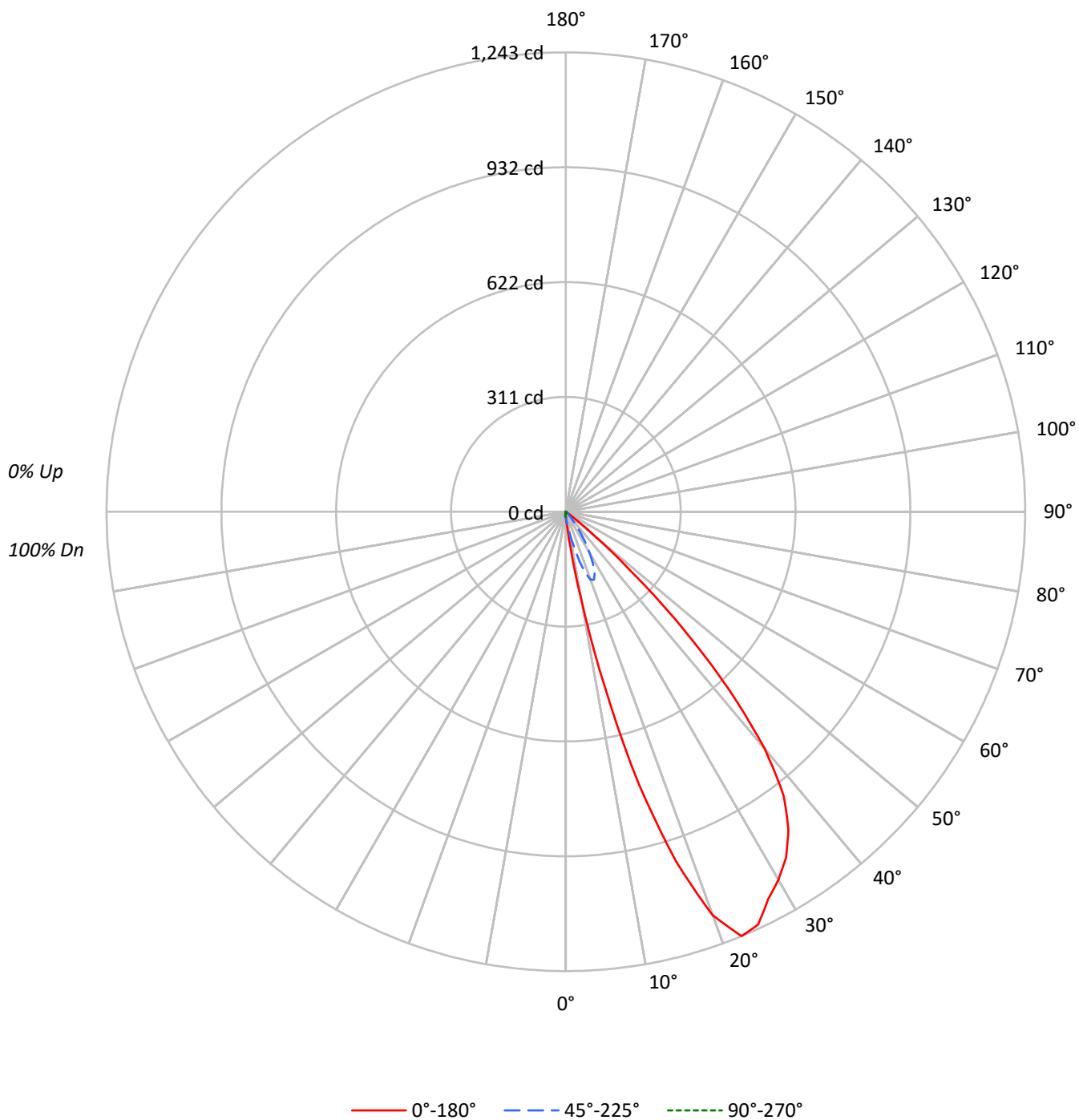
Lumens per Lamp: N/A
Luminaire Lumens: 293.0 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3048	3048	3048	3048	3048
5°	9201	6119	2884	1299	1057
10°	53239	13004	2271	601	423
15°	173168	29489	1589	114	68
20°	270970	45597	1003	0	0
25°	298106	44567	508	0	0
30°	291159	32132	203	0	0
35°	281023	18283	80	0	0
40°	239649	7729	0	0	0
45°	140635	2915	93	0	93
50°	34148	546	102	102	273
55°	2982	0	191	306	421
60°	132	0	219	351	570
65°	156	156	415	415	675
70°	192	192	513	513	705
75°	0	254	678	678	678
80°	0	379	1010	631	631
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 140635 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.9
10°-20°	40.3	13.7
20°-30°	102.3	34.9
30°-40°	102.0	34.8
40°-50°	41.3	14.1
50°-60°	2.9	1.0
60°-70°	0.7	0.2
70°-80°	0.6	0.2
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°	145.2	49.5
0°-40°	247.2	84.4
0°-60°	291.3	99.4
0°-90°	293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	293.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	14	14	14	14	14	
5°	42	28	13	6	5	10
15°	763	130	7	0	0	222
25°	1232	184	2	0	0	556
35°	1050	68	0	0	0	643
45°	454	9	0	0	0	346
55°	8	0	0	1	1	20
65°	0	0	1	1	1	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°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	23.0	23.3	23.3	22.8	22.5	22.5	21.7	21.4	20.6	19.8	17.1
5°	41.8	41.0	39.9	39.9	37.5	36.1	34.3	32.1	30.5	27.8	19.8
7.5°	94.8	88.4	86.5	84.1	75.0	67.7	59.4	52.2	45.5	39.9	22.0
10°	239.1	226.5	216.1	194.9	168.4	143.0	119.4	92.1	73.4	58.4	23.6
12.5°	481.7	464.8	444.7	406.2	356.6	293.2	236.9	177.0	124.2	85.9	24.1
15°	762.8	734.1	702.8	653.8	572.7	481.7	380.2	284.6	199.5	129.9	23.6
17.5°	992.0	980.7	934.4	867.5	768.1	650.9	525.8	395.2	269.1	170.0	22.0
20°	1161.2	1153.4	1097.4	1026.2	914.3	779.9	621.1	464.3	317.5	195.4	19.5
22.5°	1242.8	1241.5	1201.1	1128.2	1009.6	857.3	682.5	504.1	332.5	198.9	16.3
25°	1232.1	1236.9	1213.9	1159.8	1046.0	889.1	700.7	504.1	321.5	184.2	13.7
27.5°	1183.4	1186.6	1172.1	1130.6	1024.6	866.1	675.2	471.7	289.7	158.2	11.2
30°	1149.9	1151.3	1133.3	1088.9	976.4	813.6	615.3	411.8	241.5	126.9	8.3
32.5°	1109.2	1109.0	1088.1	1037.2	913.2	740.0	539.2	340.3	185.5	96.4	4.8
35°	1049.8	1043.1	1014.7	956.1	819.0	641.0	442.0	259.2	133.6	68.3	2.9
37.5°	968.1	950.7	910.6	832.1	686.7	502.5	327.7	182.1	91.3	45.2	1.9
40°	837.2	818.7	764.1	668.8	519.4	361.7	220.9	118.6	57.6	27.0	1.1
42.5°	656.5	643.9	570.3	475.2	343.0	230.8	132.8	70.1	32.4	15.5	0.3
45°	453.5	437.2	379.4	298.8	205.9	128.0	74.4	36.7	18.5	9.4	0.0
47.5°	250.3	230.3	196.8	154.8	103.6	67.2	37.5	19.8	10.4	4.6	0.0
50°	100.1	99.3	79.0	56.2	39.6	30.5	18.7	10.7	5.4	1.6	0.3
52.5°	35.1	35.1	30.3	24.6	19.3	13.9	9.4	5.1	1.9	0.5	0.3
55°	7.8	8.6	8.0	7.5	7.2	6.2	4.0	1.9	0.5	0.0	0.3
57.5°	0.8	0.8	0.8	1.1	1.3	1.3	1.1	0.5	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.5
65°	0.3	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°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	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°	13.9	13.9	13.9	13.9	13.9
2.5°	13.9	11.0	9.1	8.0	7.8
5°	13.1	8.3	5.9	5.1	4.8
7.5°	11.8	6.2	4.0	3.2	2.9
10°	10.2	4.6	2.7	1.9	1.9
12.5°	8.6	3.5	1.6	0.8	0.5
15°	7.0	2.1	0.5	0.3	0.3
17.5°	5.4	1.3	0.0	0.0	0.0
20°	4.3	0.5	0.0	0.0	0.0
22.5°	3.2	0.3	0.0	0.0	0.0
25°	2.1	0.0	0.0	0.0	0.0
27.5°	1.3	0.0	0.0	0.0	0.0
30°	0.8	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	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°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.5	0.8
52.5°	0.5	0.3	0.5	0.8	0.8
55°	0.5	0.5	0.8	1.1	1.1
57.5°	0.5	0.5	0.8	1.1	1.1
60°	0.5	0.5	0.8	1.1	1.3
62.5°	0.8	0.8	0.8	1.1	1.1
65°	0.8	0.8	0.8	1.1	1.3
67.5°	0.8	0.8	0.8	1.1	1.3
70°	0.8	0.8	0.8	1.1	1.1
72.5°	1.1	0.8	0.8	1.1	1.1
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.5	0.8	0.8
80°	0.8	0.5	0.5	0.5	0.5
82.5°	0.8	0.5	0.5	0.5	0.5
85°	0.8	0.5	0.3	0.3	0.3
87.5°	0.8	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)