

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: P1338296

Luminaire Tested: P3A05R359024DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338296
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: P3A05R359024DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

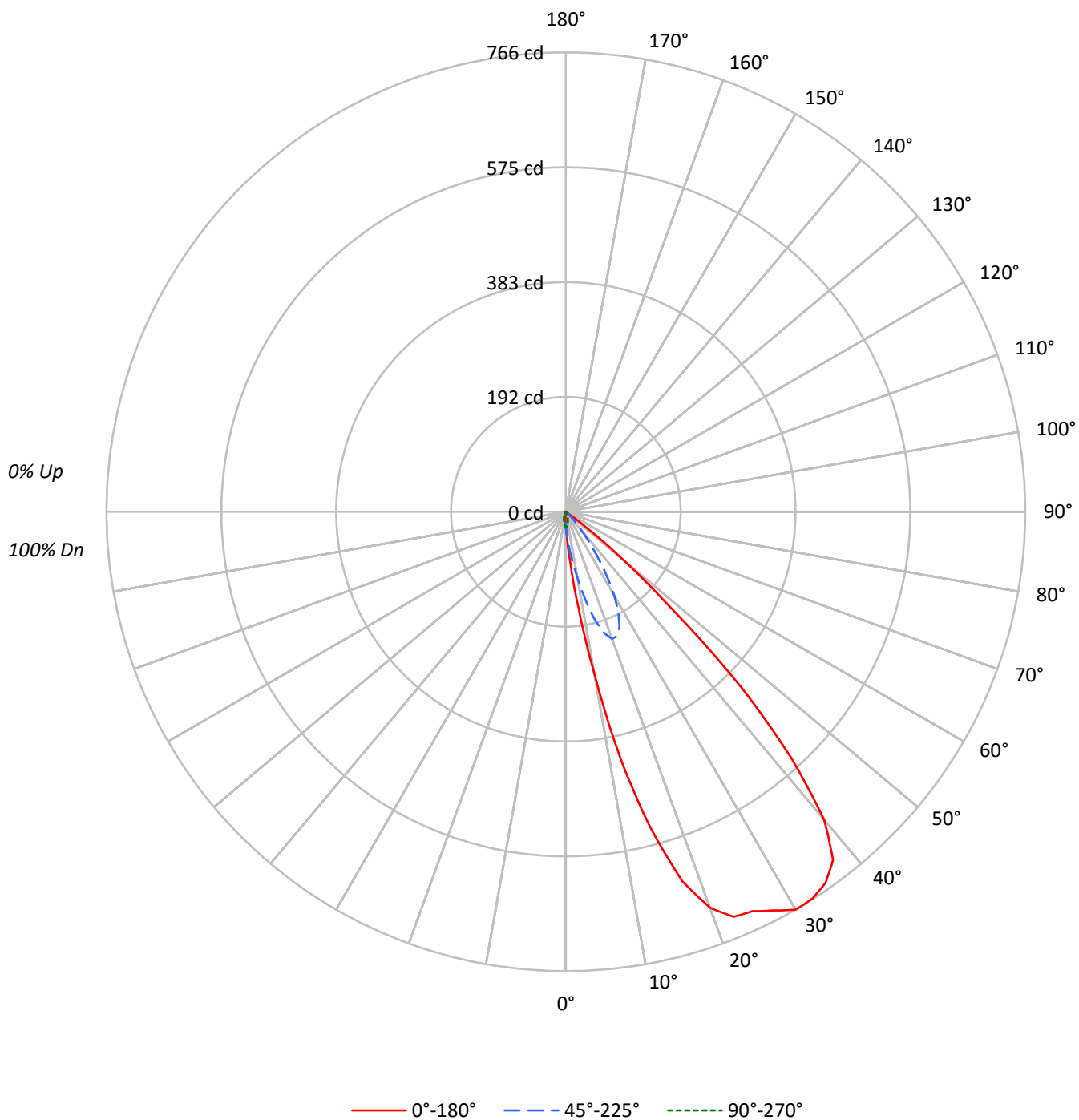
Lumens per Lamp: N/A
Luminaire Lumens: 240.9 lumens
Efficiency: N/A
Efficacy: 33.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5548	5548	5548	5548	5548
5°	18908	12283	5195	2201	1629
10°	60832	24894	4097	824	534
15°	123951	42225	2906	295	204
20°	163908	52598	1867	93	93
25°	177857	51148	1040	48	97
30°	194030	40766	430	51	101
35°	202161	25377	107	54	107
40°	191845	11078	57	115	172
45°	128075	4435	62	186	341
50°	42950	751	136	307	443
55°	2409	76	153	421	573
60°	175	88	263	482	658
65°	208	104	311	571	778
70°	128	128	385	705	833
75°	169	169	508	763	932
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 128075 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	1.8
10°-20°	34.6	14.4
20°-30°	73.1	30.3
30°-40°	82.9	34.4
40°-50°	40.8	16.9
50°-60°	3.5	1.5
60°-70°	0.7	0.3
70°-80°	0.7	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°	112.1	46.5
0°-40°	194.9	80.9
0°-60°	239.3	99.3
0°-90°	240.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	240.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	86	56	24	10	7	14
15°	546	186	13	1	1	155
25°	735	211	4	0	0	342
35°	755	95	0	0	0	465
45°	413	14	0	1	1	305
55°	6	0	0	1	2	25
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°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
2.5°	43.9	45.0	44.6	44.3	44.1	43.3	41.3	41.1	39.2	37.9	31.4
5°	85.9	84.2	84.6	82.2	79.2	74.9	72.0	66.0	61.0	55.8	36.6
7.5°	161.8	159.4	154.9	148.0	140.8	131.5	117.5	106.2	93.2	80.9	40.7
10°	273.2	271.9	266.1	248.4	232.8	207.9	184.5	159.9	135.6	111.8	43.5
12.5°	422.1	413.2	402.6	379.0	348.3	317.1	271.1	228.5	189.7	149.9	43.7
15°	546.0	540.4	525.5	494.8	457.8	412.8	358.0	300.7	242.3	186.0	41.5
17.5°	645.8	637.1	617.9	587.8	545.2	486.8	422.7	352.8	281.7	211.8	37.9
20°	702.4	697.9	683.2	653.1	606.6	542.8	469.9	388.5	306.3	225.4	33.1
22.5°	731.0	727.8	716.9	692.9	649.4	585.2	501.7	407.1	313.5	223.9	28.1
25°	735.1	734.2	724.9	706.8	670.4	606.8	515.5	410.6	307.6	211.4	23.4
27.5°	749.4	746.4	735.3	717.2	680.6	610.5	510.8	398.7	288.8	189.3	19.5
30°	766.3	764.1	753.1	734.2	691.0	607.0	493.9	372.3	258.7	161.0	14.5
32.5°	765.0	764.1	754.8	734.9	683.6	586.7	463.8	332.7	217.9	127.0	9.1
35°	755.2	752.2	740.5	709.8	641.7	534.4	406.7	279.1	172.4	94.8	5.8
37.5°	731.9	725.4	705.7	653.6	566.6	453.7	331.2	215.5	122.0	63.4	3.7
40°	670.2	662.0	622.4	559.4	468.4	357.4	246.4	148.2	80.5	38.7	1.5
42.5°	556.0	539.3	499.7	435.1	349.6	252.7	161.8	96.1	47.4	23.4	0.4
45°	413.0	400.2	358.7	300.1	229.1	162.0	98.0	51.9	26.2	14.3	0.2
47.5°	240.6	232.8	211.4	172.9	126.6	85.0	50.2	27.9	15.4	6.9	0.2
50°	125.9	116.2	99.9	75.7	55.8	39.2	24.4	14.9	7.6	2.2	0.2
52.5°	44.1	43.5	39.6	29.9	24.2	17.5	11.9	6.5	2.2	0.4	0.2
55°	6.3	6.3	5.8	6.5	6.9	6.3	4.1	1.7	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.9	0.9	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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	0.2	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°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
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°	25.3	25.3	25.3	25.3	25.3
2.5°	25.1	20.1	16.0	14.1	13.4
5°	23.6	15.1	10.0	7.8	7.4
7.5°	21.0	10.8	6.1	4.3	4.1
10°	18.4	7.8	3.7	2.6	2.4
12.5°	15.4	5.4	2.4	1.5	1.3
15°	12.8	3.7	1.3	1.1	0.9
17.5°	10.2	2.4	0.9	0.6	0.9
20°	8.0	1.5	0.4	0.4	0.4
22.5°	6.1	0.9	0.4	0.4	0.4
25°	4.3	0.4	0.2	0.2	0.4
27.5°	3.0	0.2	0.2	0.2	0.4
30°	1.7	0.2	0.2	0.2	0.4
32.5°	0.9	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.9
45°	0.2	0.4	0.6	0.9	1.1
47.5°	0.4	0.4	0.9	1.1	1.3
50°	0.4	0.6	0.9	1.3	1.3
52.5°	0.4	0.6	1.1	1.3	1.5
55°	0.4	0.9	1.1	1.5	1.5
57.5°	0.6	0.9	1.1	1.5	1.5
60°	0.6	0.9	1.1	1.5	1.5
62.5°	0.6	0.9	1.1	1.5	1.5
65°	0.6	0.9	1.1	1.5	1.5
67.5°	0.6	0.9	1.1	1.3	1.5
70°	0.6	0.9	1.1	1.3	1.3
72.5°	0.9	0.9	1.1	1.3	1.3
75°	0.6	0.9	0.9	1.1	1.1
77.5°	0.6	0.6	0.6	0.9	0.9
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	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)