

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: P1338488

Luminaire Tested: P3A05R359830DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338488
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: P3A05R359830DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

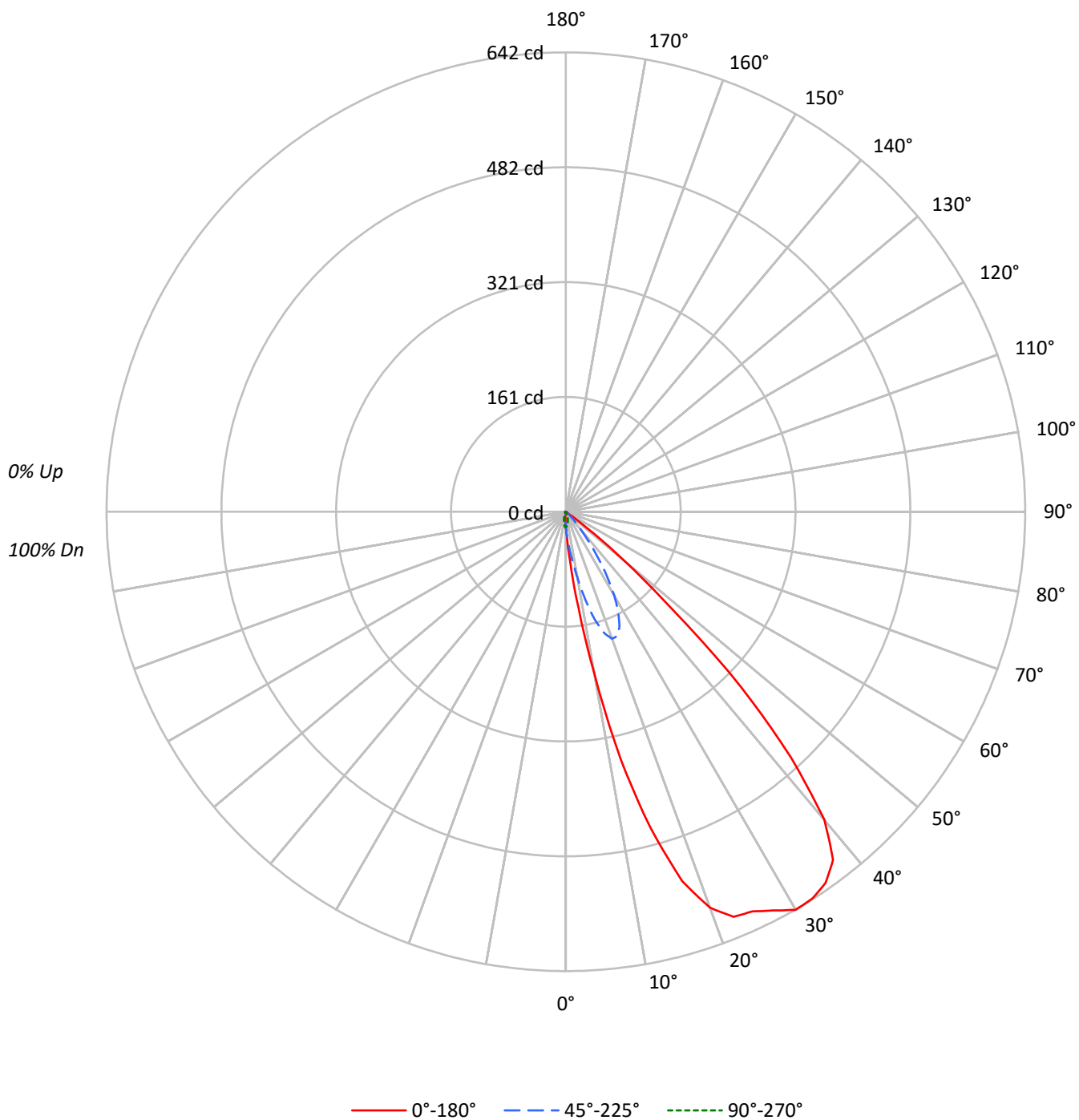
Lumens per Lamp: N/A
Luminaire Lumens: 202.0 lumens
Efficiency: N/A
Efficacy: 28.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	61
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°	4649	4649	4649	4649	4649
5°	15849	10302	4358	1827	1365
10°	50990	20864	3429	690	445
15°	103905	35392	2429	250	159
20°	137399	44080	1563	93	93
25°	149089	42873	871	48	97
30°	162633	34157	380	51	101
35°	169449	21255	107	54	107
40°	160816	9303	57	115	143
45°	107360	3721	62	155	279
50°	35990	614	136	239	375
55°	2026	76	153	344	497
60°	175	88	219	395	570
65°	208	104	259	467	675
70°	128	128	321	577	705
75°	169	169	424	593	763
80°	0	253	631	631	631
85°	0	503	1258	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 107360 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	1.8
10°-20°	29.0	14.4
20°-30°	61.2	30.3
30°-40°	69.5	34.4
40°-50°	34.2	16.9
50°-60°	3.0	1.5
60°-70°	0.6	0.3
70°-80°	0.5	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°	93.9	46.5
0°-40°	163.4	80.9
0°-60°	200.6	99.3
0°-90°	202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	72	47	20	8	6	12
15°	458	156	11	1	1	130
25°	616	177	4	0	0	287
35°	633	79	0	0	0	390
45°	346	12	0	0	1	256
55°	5	0	0	1	1	21
65°	0	0	0	1	1	0
75°	0	0	0	1	1	0
85°	0	0	0	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°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
2.5°	36.8	37.7	37.4	37.2	37.0	36.3	34.6	34.5	32.8	31.7	26.3
5°	72.0	70.5	70.9	68.9	66.4	62.7	60.4	55.3	51.1	46.8	30.6
7.5°	135.6	133.6	129.8	124.0	118.0	110.2	98.5	89.0	78.2	67.8	34.1
10°	229.0	227.9	223.0	208.2	195.1	174.3	154.7	134.0	113.7	93.7	36.4
12.5°	353.8	346.3	337.5	317.7	291.9	265.8	227.2	191.5	159.0	125.7	36.6
15°	457.7	453.0	440.4	414.7	383.7	346.0	300.1	252.0	203.1	155.9	34.8
17.5°	541.3	534.0	517.9	492.7	456.9	408.0	354.3	295.7	236.1	177.5	31.7
20°	588.8	585.0	572.6	547.4	508.4	455.0	393.8	325.7	256.8	188.9	27.7
22.5°	612.7	610.0	600.9	580.8	544.3	490.5	420.5	341.3	262.7	187.7	23.6
25°	616.2	615.4	607.6	592.4	561.9	508.6	432.1	344.2	257.8	177.2	19.6
27.5°	628.1	625.6	616.3	601.1	570.5	511.7	428.1	334.2	242.1	158.7	16.3
30°	642.3	640.5	631.2	615.4	579.2	508.8	414.0	312.1	216.9	134.9	12.1
32.5°	641.2	640.5	632.7	616.0	573.0	491.8	388.8	278.9	182.6	106.4	7.6
35°	633.0	630.5	620.7	594.9	537.8	447.9	340.9	233.9	144.5	79.4	4.9
37.5°	613.4	608.0	591.5	547.8	474.9	380.2	277.6	180.6	102.3	53.1	3.1
40°	561.8	554.9	521.7	468.9	392.6	299.6	206.5	124.2	67.5	32.5	1.3
42.5°	466.0	452.1	418.9	364.7	293.0	211.8	135.6	80.5	39.7	19.6	0.4
45°	346.2	335.5	300.6	251.5	192.0	135.8	82.1	43.5	21.9	12.0	0.2
47.5°	201.6	195.1	177.2	144.9	106.1	71.3	42.1	23.4	12.9	5.8	0.2
50°	105.5	97.4	83.8	63.5	46.8	32.8	20.5	12.5	6.3	1.8	0.2
52.5°	37.0	36.4	33.2	25.0	20.3	14.7	10.0	5.4	1.8	0.4	0.2
55°	5.3	5.3	4.9	5.4	5.8	5.3	3.4	1.5	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.5	0.7	0.7	0.5	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	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
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°	21.2	21.2	21.2	21.2	21.2
2.5°	21.0	16.9	13.4	11.8	11.2
5°	19.8	12.7	8.3	6.5	6.2
7.5°	17.6	9.1	5.1	3.6	3.4
10°	15.4	6.5	3.1	2.2	2.0
12.5°	12.9	4.5	2.0	1.3	1.1
15°	10.7	3.1	1.1	0.9	0.7
17.5°	8.5	2.0	0.7	0.5	0.7
20°	6.7	1.3	0.4	0.4	0.4
22.5°	5.1	0.7	0.4	0.4	0.4
25°	3.6	0.4	0.2	0.2	0.4
27.5°	2.5	0.2	0.2	0.2	0.4
30°	1.5	0.2	0.2	0.2	0.4
32.5°	0.7	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	0.5
40°	0.2	0.2	0.4	0.5	0.5
42.5°	0.2	0.2	0.4	0.5	0.7
45°	0.2	0.4	0.5	0.7	0.9
47.5°	0.4	0.4	0.7	0.9	1.1
50°	0.4	0.5	0.7	1.1	1.1
52.5°	0.4	0.5	0.9	1.1	1.3
55°	0.4	0.7	0.9	1.3	1.3
57.5°	0.5	0.7	0.9	1.3	1.3
60°	0.5	0.7	0.9	1.3	1.3
62.5°	0.5	0.7	0.9	1.3	1.3
65°	0.5	0.7	0.9	1.3	1.3
67.5°	0.5	0.7	0.9	1.1	1.3
70°	0.5	0.7	0.9	1.1	1.1
72.5°	0.7	0.7	0.9	1.1	1.1
75°	0.5	0.7	0.7	0.9	0.9
77.5°	0.5	0.5	0.5	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.4	0.4	0.5	0.5
85°	0.5	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)