

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: P1345745

Luminaire Tested: P3A13R35W2N902750DE010 E3A301WMH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345745
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: P3A13R35W2N902750DE010 E3A301WMH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

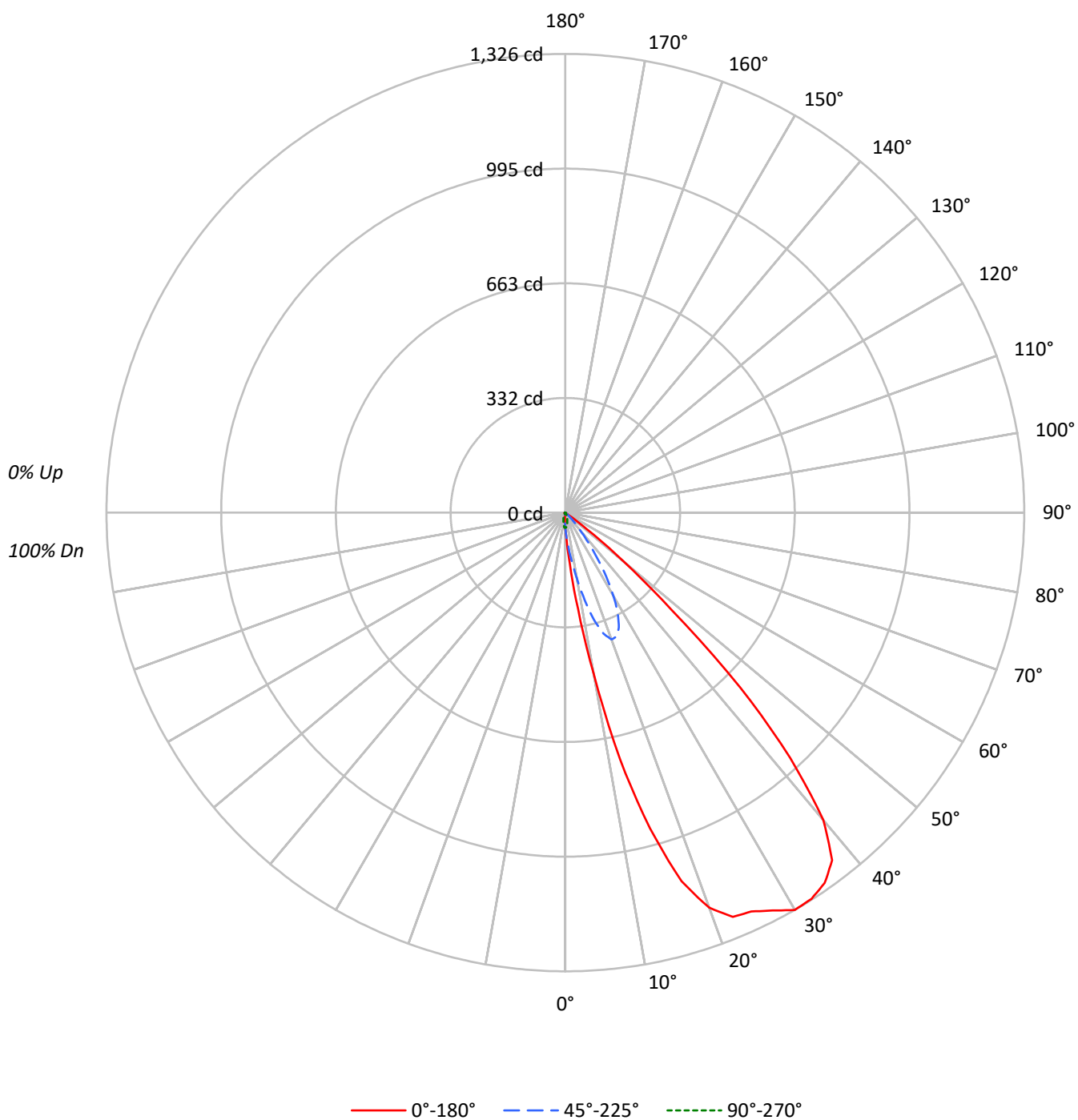
Lumens per Lamp: N/A
Luminaire Lumens: 417.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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			0
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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9604	9604	9604	9604	9604
5°	32710	21263	8981	3786	2796
10°	105275	43085	7081	1425	913
15°	214485	73076	5017	499	341
20°	283618	91008	3244	163	163
25°	307760	88481	1815	97	169
30°	335723	70517	760	101	177
35°	349820	43902	187	107	187
40°	331965	19179	115	200	315
45°	221604	7660	124	341	589
50°	74334	1262	239	512	751
55°	4167	153	268	726	994
60°	307	175	482	833	1140
65°	363	208	571	986	1349
70°	256	256	705	1218	1410
75°	339	339	932	1271	1610
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 221604 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	1.8
10°-20°	59.9	14.4
20°-30°	126.4	30.3
30°-40°	143.4	34.4
40°-50°	70.6	16.9
50°-60°	6.1	1.5
60°-70°	1.2	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	193.9	46.5
0°-40°	337.3	80.9
0°-60°	414.0	99.3
0°-90°	417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	417.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	149	97	41	17	13	24
15°	945	322	22	2	2	269
25°	1272	366	8	0	1	592
35°	1307	164	1	0	1	805
45°	715	25	0	1	2	528
55°	11	0	1	2	3	43
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	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°	67.5°
0°	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
2.5°	76.0	77.9	77.1	76.7	76.4	74.9	71.5	71.1	67.8	65.5	54.3
5°	148.6	145.6	146.4	142.2	137.0	129.5	124.7	114.2	105.6	96.6	63.3
7.5°	280.0	275.9	268.0	256.0	243.7	227.6	203.3	183.8	161.3	140.0	70.4
10°	472.8	470.5	460.4	429.7	402.8	359.7	319.3	276.6	234.7	193.5	75.2
12.5°	730.3	715.0	696.6	655.8	602.7	548.8	469.0	395.3	328.3	259.4	75.6
15°	944.8	935.1	909.2	856.1	792.1	714.2	619.5	520.3	419.2	321.9	71.9
17.5°	1117.4	1102.4	1069.1	1017.0	943.3	842.2	731.4	610.5	487.4	366.5	65.5
20°	1215.4	1207.6	1182.1	1130.1	1049.6	939.2	813.0	672.3	530.0	390.0	57.3
22.5°	1264.8	1259.2	1240.5	1199.0	1123.7	1012.6	868.1	704.5	542.4	387.4	48.7
25°	1272.0	1270.5	1254.4	1222.9	1160.0	1050.0	892.0	710.5	532.3	365.7	40.4
27.5°	1296.7	1291.4	1272.3	1240.9	1177.6	1056.3	883.8	689.9	499.7	327.5	33.7
30°	1325.9	1322.1	1303.0	1270.5	1195.6	1050.4	854.6	644.2	447.7	278.5	25.1
32.5°	1323.6	1322.1	1306.0	1271.6	1182.9	1015.2	802.6	575.7	376.9	219.7	15.7
35°	1306.8	1301.5	1281.3	1228.2	1110.2	924.6	703.7	482.9	298.3	164.0	10.1
37.5°	1266.3	1255.1	1221.0	1130.8	980.4	785.0	573.1	372.8	211.1	109.7	6.4
40°	1159.7	1145.4	1076.9	968.0	810.4	618.4	426.4	256.4	139.2	67.0	2.6
42.5°	962.0	933.2	864.7	752.8	604.9	437.2	280.0	166.2	82.0	40.4	0.7
45°	714.6	692.5	620.6	519.2	396.4	280.4	169.6	89.8	45.3	24.7	0.4
47.5°	416.2	402.8	365.7	299.1	219.0	147.1	86.8	48.3	26.6	12.0	0.4
50°	217.9	201.0	172.9	131.0	96.6	67.8	42.3	25.8	13.1	3.7	0.4
52.5°	76.4	75.2	68.5	51.7	41.9	30.3	20.6	11.2	3.7	0.7	0.4
55°	10.9	10.9	10.1	11.2	12.0	10.9	7.1	3.0	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	1.1	1.5	1.5	1.1	0.4	0.4	0.4	0.7
60°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
62.5°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
65°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
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°	43.8	43.8	43.8	43.8	43.8
2.5°	43.4	34.8	27.7	24.3	23.2
5°	40.8	26.2	17.2	13.5	12.7
7.5°	36.3	18.7	10.5	7.5	7.1
10°	31.8	13.5	6.4	4.5	4.1
12.5°	26.6	9.4	4.1	2.6	2.2
15°	22.1	6.4	2.2	1.9	1.5
17.5°	17.6	4.1	1.5	1.1	1.5
20°	13.9	2.6	0.7	0.7	0.7
22.5°	10.5	1.5	0.7	0.7	0.7
25°	7.5	0.7	0.4	0.4	0.7
27.5°	5.2	0.4	0.4	0.4	0.7
30°	3.0	0.4	0.4	0.4	0.7
32.5°	1.5	0.4	0.4	0.7	0.7
35°	0.7	0.4	0.4	0.7	0.7
37.5°	0.4	0.4	0.4	0.7	1.1
40°	0.4	0.4	0.7	1.1	1.1
42.5°	0.4	0.4	0.7	1.1	1.5
45°	0.4	0.7	1.1	1.5	1.9
47.5°	0.7	0.7	1.5	1.9	2.2
50°	0.7	1.1	1.5	2.2	2.2
52.5°	0.7	1.1	1.9	2.2	2.6
55°	0.7	1.5	1.9	2.6	2.6
57.5°	1.1	1.5	1.9	2.6	2.6
60°	1.1	1.5	1.9	2.6	2.6
62.5°	1.1	1.5	1.9	2.6	2.6
65°	1.1	1.5	1.9	2.6	2.6
67.5°	1.1	1.5	1.9	2.2	2.6
70°	1.1	1.5	1.9	2.2	2.2
72.5°	1.5	1.5	1.9	2.2	2.2
75°	1.1	1.5	1.5	1.9	1.9
77.5°	1.1	1.1	1.1	1.5	1.5
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.7	0.7	1.1	1.1
85°	1.1	0.7	0.4	0.7	0.7
87.5°	0.7	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)