

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: P1345208

Luminaire Tested: P3A13R30W2N902750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345208
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: P3A13R30W2N902750DE010 E3A301GPH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

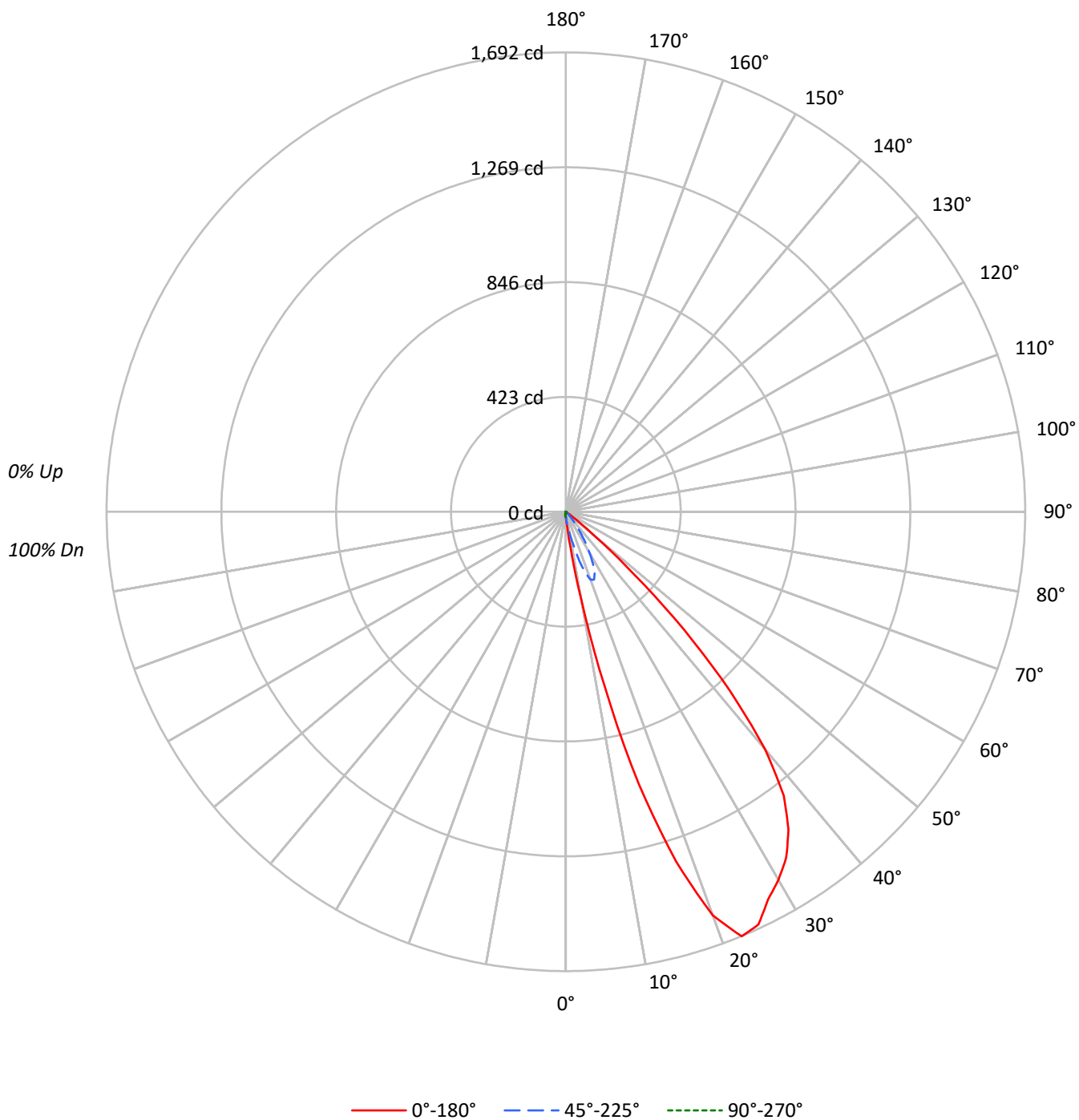
Lumens per Lamp: N/A
Luminaire Lumens: 399.0 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4166	4166	4166	4166	4166
5°	12525	8342	3940	1761	1453
10°	72499	17702	3095	802	579
15°	235802	40136	2157	159	91
20°	368979	62119	1353	0	0
25°	405967	60681	702	0	0
30°	396491	43754	279	0	0
35°	382693	24895	107	0	0
40°	326354	10534	0	0	0
45°	191524	3969	124	0	124
50°	46532	751	136	136	375
55°	4052	0	268	421	573
60°	175	0	307	482	789
65°	208	208	571	571	934
70°	256	256	705	705	962
75°	0	339	932	932	932
80°	0	505	1389	884	884
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 191524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.9
10°-20°	54.8	13.7
20°-30°	139.4	34.9
30°-40°	138.9	34.8
40°-50°	56.3	14.1
50°-60°	3.9	1.0
60°-70°	0.9	0.2
70°-80°	0.9	0.2
80°-90°	0.5	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°	197.7	49.5
0°-40°	336.6	84.3
0°-60°	396.8	99.4
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	57	38	18	8	7	13
15°	1039	177	10	1	0	302
25°	1678	251	3	0	0	758
35°	1430	93	0	0	0	876
45°	618	13	0	0	0	471
55°	11	0	1	1	2	28
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°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
2.5°	31.4	31.7	31.7	31.0	30.6	30.6	29.5	29.2	28.1	27.0	23.3
5°	56.9	55.8	54.3	54.3	51.0	49.2	46.7	43.8	41.6	37.9	27.0
7.5°	129.1	120.3	117.8	114.5	102.1	92.2	80.9	71.1	62.0	54.3	29.9
10°	325.6	308.4	294.2	265.4	229.3	194.7	162.6	125.4	99.9	79.5	32.1
12.5°	655.9	632.9	605.6	553.1	485.6	399.2	322.7	241.0	169.2	117.0	32.8
15°	1038.7	999.7	957.1	890.3	779.9	655.9	517.7	387.6	271.6	176.8	32.1
17.5°	1350.8	1335.5	1272.4	1181.3	1046.0	886.3	716.1	538.1	366.4	231.5	29.9
20°	1581.2	1570.7	1494.5	1397.5	1245.1	1062.1	845.9	632.2	432.4	266.2	26.6
22.5°	1692.4	1690.6	1635.6	1536.4	1374.9	1167.4	929.4	686.5	452.8	270.9	22.2
25°	1677.9	1684.4	1653.1	1579.4	1424.5	1210.8	954.1	686.5	437.9	250.8	18.6
27.5°	1611.5	1615.9	1596.2	1539.7	1395.3	1179.5	919.5	642.4	394.5	215.5	15.3
30°	1565.9	1567.8	1543.3	1482.8	1329.7	1108.0	837.8	560.7	328.9	172.8	11.3
32.5°	1510.5	1510.2	1481.7	1412.4	1243.6	1007.7	734.3	463.4	252.7	131.3	6.6
35°	1429.6	1420.5	1381.8	1302.0	1115.3	872.8	601.9	352.9	181.9	93.0	4.0
37.5°	1318.4	1294.7	1240.0	1133.2	935.2	684.3	446.3	247.9	124.3	61.6	2.6
40°	1140.1	1114.9	1040.6	910.8	707.3	492.6	300.8	161.5	78.4	36.8	1.5
42.5°	894.0	876.9	776.6	647.2	467.0	314.3	180.8	95.5	44.1	21.1	0.4
45°	617.6	595.4	516.6	406.9	280.4	174.3	101.4	49.9	25.2	12.8	0.0
47.5°	340.9	313.6	268.0	210.7	141.1	91.5	51.0	27.0	14.2	6.2	0.0
50°	136.4	135.3	107.6	76.6	54.0	41.6	25.5	14.6	7.3	2.2	0.4
52.5°	47.8	47.8	41.2	33.5	26.3	19.0	12.8	6.9	2.6	0.7	0.4
55°	10.6	11.7	10.9	10.2	9.8	8.4	5.5	2.6	0.7	0.0	0.4
57.5°	1.1	1.1	1.1	1.5	1.8	1.8	1.5	0.7	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.7
65°	0.4	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°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	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	0.0	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°	19.0	19.0	19.0	19.0	19.0
2.5°	19.0	14.9	12.4	10.9	10.6
5°	17.9	11.3	8.0	6.9	6.6
7.5°	16.0	8.4	5.5	4.4	4.0
10°	13.9	6.2	3.6	2.6	2.6
12.5°	11.7	4.7	2.2	1.1	0.7
15°	9.5	2.9	0.7	0.4	0.4
17.5°	7.3	1.8	0.0	0.0	0.0
20°	5.8	0.7	0.0	0.0	0.0
22.5°	4.4	0.4	0.0	0.0	0.0
25°	2.9	0.0	0.0	0.0	0.0
27.5°	1.8	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.7	0.7
50°	0.4	0.4	0.4	0.7	1.1
52.5°	0.7	0.4	0.7	1.1	1.1
55°	0.7	0.7	1.1	1.5	1.5
57.5°	0.7	0.7	1.1	1.5	1.5
60°	0.7	0.7	1.1	1.5	1.8
62.5°	1.1	1.1	1.1	1.5	1.5
65°	1.1	1.1	1.1	1.5	1.8
67.5°	1.1	1.1	1.1	1.5	1.8
70°	1.1	1.1	1.1	1.5	1.5
72.5°	1.5	1.1	1.1	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.7	1.1	1.1
80°	1.1	0.7	0.7	0.7	0.7
82.5°	1.1	0.7	0.7	0.7	0.7
85°	1.1	0.7	0.4	0.4	0.4
87.5°	1.1	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)