

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: P1345720

Luminaire Tested: P3A13R35W2N902750DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345720
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 E3A301GPH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

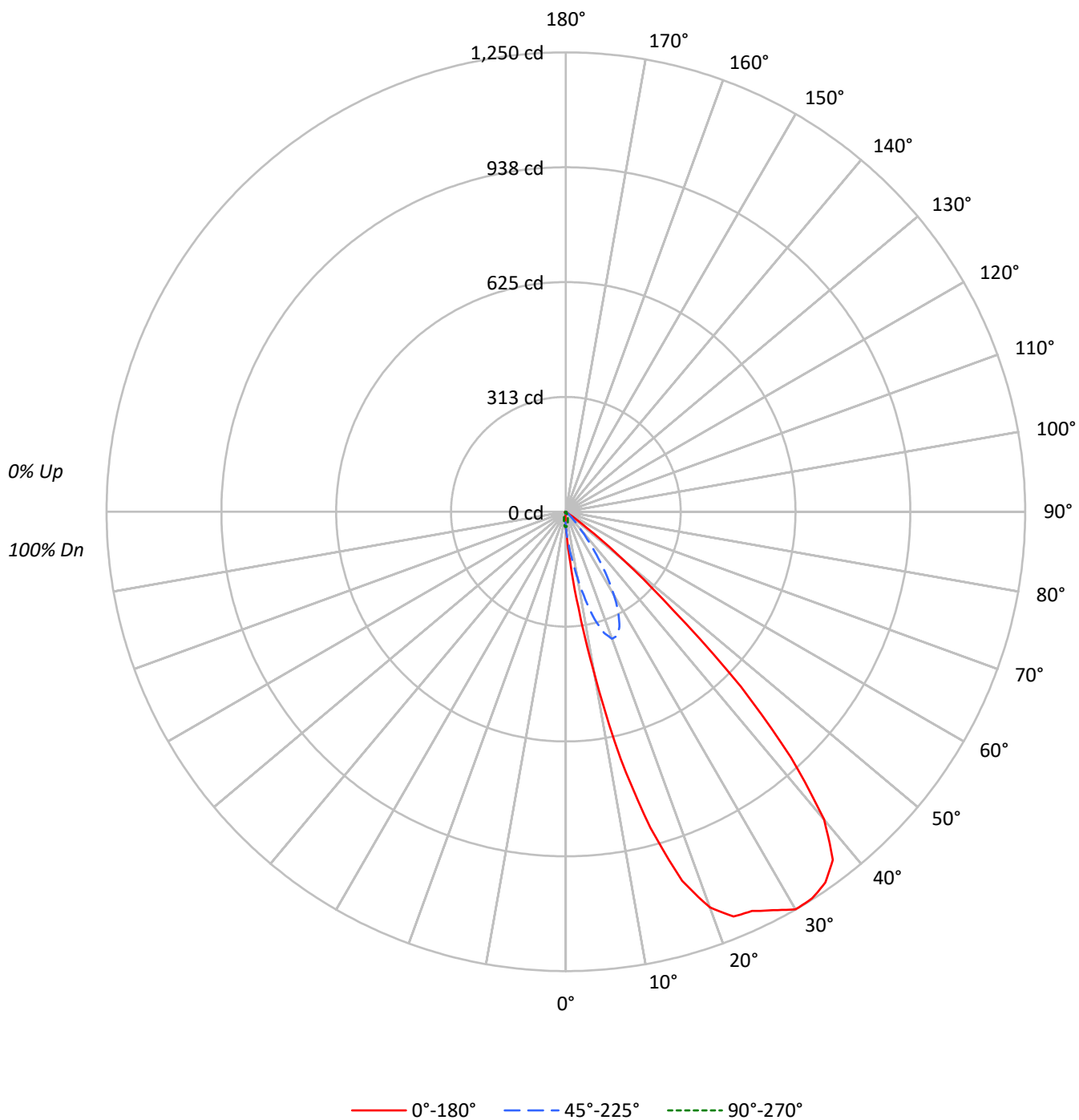
Lumens per Lamp: N/A
Luminaire Lumens: 393.1 lumens
Efficiency: N/A
Efficacy: 32.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	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	82	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	60	
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	50	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°	9056	9056	9056	9056	9056
5°	30839	20031	8475	3566	2641
10°	99219	40614	6680	1336	868
15°	202135	68877	4722	477	318
20°	267307	85781	3057	163	163
25°	290049	83400	1718	97	169
30°	316403	66466	709	101	177
35°	329690	41358	187	107	187
40°	312843	18062	115	200	315
45°	208859	7226	124	341	558
50°	70036	1194	239	478	716
55°	3900	153	268	688	956
60°	307	175	482	789	1096
65°	363	208	571	934	1297
70°	256	256	705	1154	1346
75°	339	339	932	1186	1525
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 208859 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	1.8
10°-20°	56.4	14.4
20°-30°	119.1	30.3
30°-40°	135.2	34.4
40°-50°	66.5	16.9
50°-60°	5.8	1.5
60°-70°	1.2	0.3
70°-80°	1.1	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°	182.7	46.5
0°-40°	317.9	80.9
0°-60°	390.2	99.3
0°-90°	393.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	393.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	140	91	38	16	12	23
15°	890	303	21	2	1	253
25°	1199	345	7	0	1	558
35°	1232	154	1	0	1	759
45°	674	23	0	1	2	498
55°	10	0	1	2	2	40
65°	1	0	1	2	2	1
75°	0	0	1	1	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°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
2.5°	71.6	73.4	72.7	72.3	72.0	70.6	67.4	67.0	63.9	61.7	51.2
5°	140.1	137.2	137.9	134.1	129.1	122.1	117.5	107.6	99.5	91.0	59.6
7.5°	263.9	260.0	252.6	241.3	229.7	214.5	191.6	173.2	152.0	131.9	66.3
10°	445.6	443.4	433.9	405.0	379.6	339.0	300.9	260.7	221.2	182.4	70.9
12.5°	688.3	673.8	656.5	618.1	568.0	517.2	442.0	372.5	309.4	244.5	71.3
15°	890.4	881.2	856.9	806.8	746.5	673.1	583.9	490.4	395.1	303.4	67.7
17.5°	1053.1	1038.9	1007.5	958.5	889.0	793.8	689.3	575.4	459.3	345.4	61.7
20°	1145.5	1138.1	1114.1	1065.0	989.2	885.1	766.2	633.6	499.5	367.6	54.0
22.5°	1192.0	1186.8	1169.1	1130.0	1059.1	954.3	818.1	663.9	511.2	365.1	45.9
25°	1198.8	1197.3	1182.2	1152.5	1093.3	989.6	840.7	669.6	501.7	344.7	38.1
27.5°	1222.0	1217.1	1199.1	1169.5	1109.9	995.5	832.9	650.2	471.0	308.7	31.8
30°	1249.6	1246.0	1228.0	1197.3	1126.8	989.9	805.4	607.1	421.9	262.5	23.6
32.5°	1247.4	1246.0	1230.9	1198.4	1114.8	956.7	756.4	542.6	355.3	207.1	14.8
35°	1231.6	1226.6	1207.6	1157.5	1046.3	871.4	663.2	455.1	281.2	154.5	9.5
37.5°	1193.5	1182.9	1150.8	1065.8	923.9	739.8	540.1	351.4	199.0	103.4	6.0
40°	1092.9	1079.5	1015.0	912.3	763.8	582.8	401.8	241.7	131.2	63.1	2.5
42.5°	906.6	879.5	814.9	709.4	570.1	412.0	263.9	156.6	77.3	38.1	0.7
45°	673.5	652.6	584.9	489.3	373.6	264.2	159.8	84.7	42.7	23.3	0.4
47.5°	392.3	379.6	344.7	281.9	206.4	138.6	81.8	45.5	25.0	11.3	0.4
50°	205.3	189.4	163.0	123.5	91.0	63.9	39.9	24.3	12.3	3.5	0.4
52.5°	72.0	70.9	64.6	48.7	39.5	28.6	19.4	10.6	3.5	0.7	0.4
55°	10.2	10.2	9.5	10.6	11.3	10.2	6.7	2.8	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	1.1	1.4	1.4	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°	41.3	41.3	41.3	41.3	41.3
2.5°	40.9	32.8	26.1	22.9	21.9
5°	38.5	24.7	16.2	12.7	12.0
7.5°	34.2	17.6	9.9	7.1	6.7
10°	30.0	12.7	6.0	4.2	3.9
12.5°	25.0	8.8	3.9	2.5	2.1
15°	20.8	6.0	2.1	1.8	1.4
17.5°	16.6	3.9	1.4	1.1	1.4
20°	13.1	2.5	0.7	0.7	0.7
22.5°	9.9	1.4	0.7	0.7	0.7
25°	7.1	0.7	0.4	0.4	0.7
27.5°	4.9	0.4	0.4	0.4	0.7
30°	2.8	0.4	0.4	0.4	0.7
32.5°	1.4	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	1.4
45°	0.4	0.7	1.1	1.4	1.8
47.5°	0.7	0.7	1.4	1.8	2.1
50°	0.7	1.1	1.4	2.1	2.1
52.5°	0.7	1.1	1.8	2.1	2.5
55°	0.7	1.4	1.8	2.5	2.5
57.5°	1.1	1.4	1.8	2.5	2.5
60°	1.1	1.4	1.8	2.5	2.5
62.5°	1.1	1.4	1.8	2.5	2.5
65°	1.1	1.4	1.8	2.5	2.5
67.5°	1.1	1.4	1.8	2.1	2.5
70°	1.1	1.4	1.8	2.1	2.1
72.5°	1.4	1.4	1.8	2.1	2.1
75°	1.1	1.4	1.4	1.8	1.8
77.5°	1.1	1.1	1.1	1.4	1.4
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)