

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: P1345721

Luminaire Tested: P3A13R35W2N902750DE010 E3A301GPH_3500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345721
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

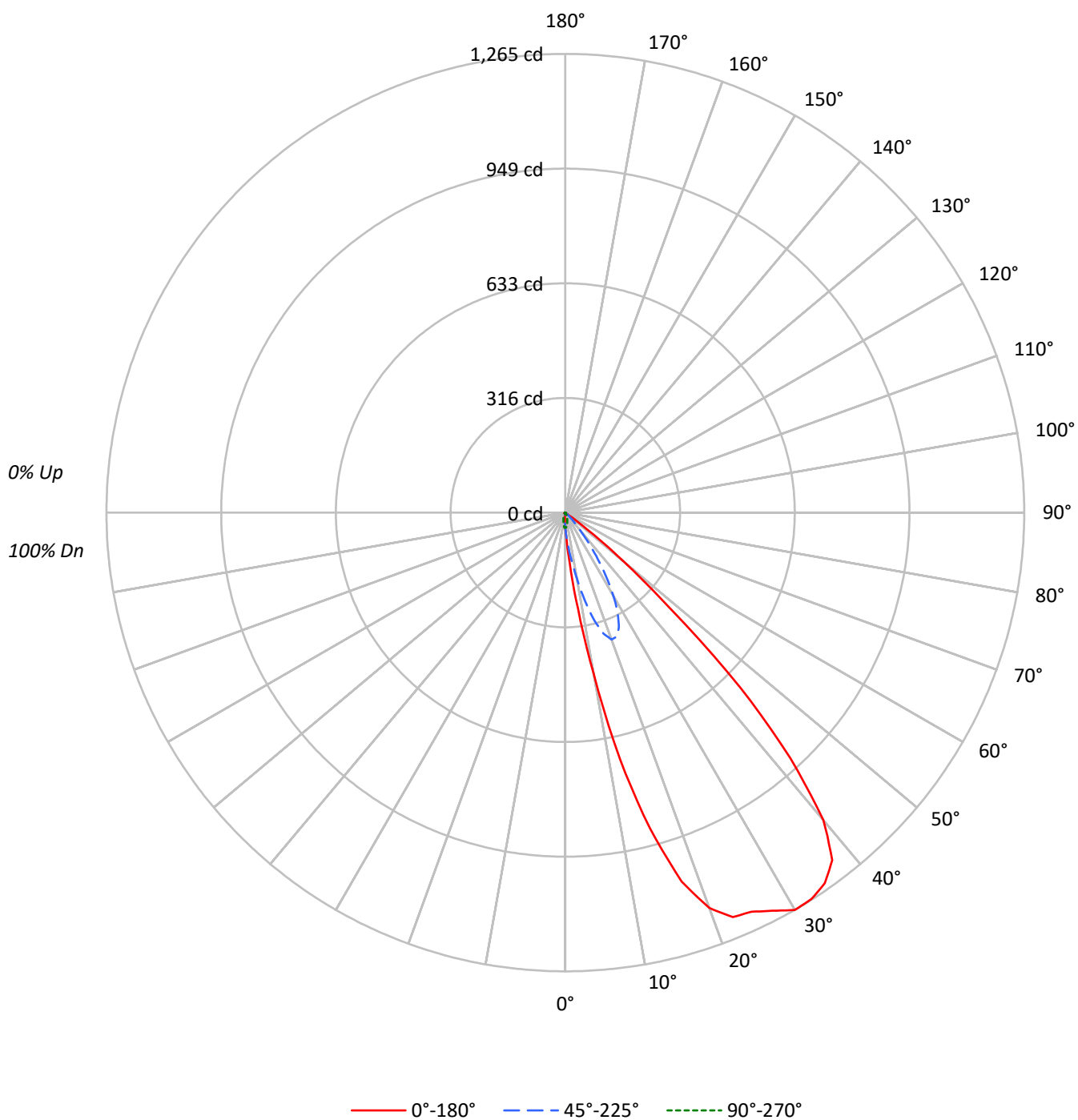
Lumens per Lamp: N/A
Luminaire Lumens: 398.1 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9166	9166	9166	9166	9166
5°	31213	20295	8563	3610	2663
10°	100466	41126	6769	1358	868
15°	204700	69762	4790	477	318
20°	270714	86878	3080	163	163
25°	293727	84465	1718	97	169
30°	320404	67301	734	101	177
35°	333866	41894	187	107	187
40°	316822	18320	115	200	315
45°	211495	7319	124	341	558
50°	70923	1228	239	478	716
55°	3976	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: 211495 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	1.8
10°-20°	57.2	14.4
20°-30°	120.7	30.3
30°-40°	136.9	34.4
40°-50°	67.4	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°	185.1	46.5
0°-40°	322.0	80.9
0°-60°	395.2	99.3
0°-90°	398.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	398.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	142	92	39	16	12	23
15°	902	307	21	2	1	256
25°	1214	349	7	0	1	565
35°	1247	156	1	0	1	769
45°	682	24	0	1	2	504
55°	10	0	1	2	2	41
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°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	72.5	74.3	73.6	73.2	72.9	71.5	68.2	67.9	64.7	62.5	51.8
5°	141.8	139.0	139.7	135.8	130.8	123.6	119.0	109.0	100.8	92.2	60.4
7.5°	267.2	263.3	255.8	244.4	232.6	217.2	194.0	175.4	154.0	133.6	67.2
10°	451.2	449.1	439.4	410.1	384.4	343.3	304.8	264.0	224.0	184.7	71.8
12.5°	697.0	682.4	664.9	625.9	575.2	523.8	447.7	377.3	313.3	247.6	72.2
15°	901.7	892.5	867.8	817.1	756.0	681.7	591.3	496.6	400.1	307.3	68.6
17.5°	1066.5	1052.2	1020.4	970.7	900.3	803.9	698.1	582.7	465.2	349.8	62.5
20°	1160.1	1152.6	1128.3	1078.6	1001.8	896.4	776.0	641.7	505.9	372.3	54.7
22.5°	1207.2	1201.9	1184.0	1144.3	1072.5	966.4	828.5	672.4	517.7	369.8	46.4
25°	1214.0	1212.6	1197.2	1167.2	1107.2	1002.1	851.4	678.1	508.0	349.1	38.6
27.5°	1237.6	1232.6	1214.4	1184.3	1124.0	1008.2	843.5	658.4	477.0	312.6	32.2
30°	1265.4	1261.9	1243.7	1212.6	1141.1	1002.5	815.6	614.9	427.3	265.8	23.9
32.5°	1263.3	1261.9	1246.5	1213.6	1129.0	968.9	766.0	549.5	359.8	209.7	15.0
35°	1247.2	1242.2	1222.9	1172.2	1059.7	882.5	671.7	460.9	284.7	156.5	9.6
37.5°	1208.6	1197.9	1165.4	1079.3	935.7	749.2	547.0	355.8	201.5	104.7	6.1
40°	1106.8	1093.2	1027.9	923.9	773.5	590.2	406.9	244.7	132.9	64.0	2.5
42.5°	918.2	890.7	825.3	718.5	577.3	417.3	267.2	158.6	78.2	38.6	0.7
45°	682.0	660.9	592.4	495.5	378.3	267.6	161.8	85.7	43.2	23.6	0.4
47.5°	397.3	384.4	349.1	285.5	209.0	140.4	82.9	46.1	25.4	11.4	0.4
50°	207.9	191.9	165.1	125.0	92.2	64.7	40.4	24.7	12.5	3.6	0.4
52.5°	72.9	71.8	65.4	49.3	40.0	28.9	19.6	10.7	3.6	0.7	0.4
55°	10.4	10.4	9.6	10.7	11.4	10.4	6.8	2.9	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°	41.8	41.8	41.8	41.8	41.8
2.5°	41.4	33.2	26.4	23.2	22.2
5°	38.9	25.0	16.4	12.9	12.1
7.5°	34.7	17.9	10.0	7.1	6.8
10°	30.4	12.9	6.1	4.3	3.9
12.5°	25.4	8.9	3.9	2.5	2.1
15°	21.1	6.1	2.1	1.8	1.4
17.5°	16.8	3.9	1.4	1.1	1.4
20°	13.2	2.5	0.7	0.7	0.7
22.5°	10.0	1.4	0.7	0.7	0.7
25°	7.1	0.7	0.4	0.4	0.7
27.5°	5.0	0.4	0.4	0.4	0.7
30°	2.9	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)