

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: P1345719

Luminaire Tested: P3A13R35W2N902750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345719
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

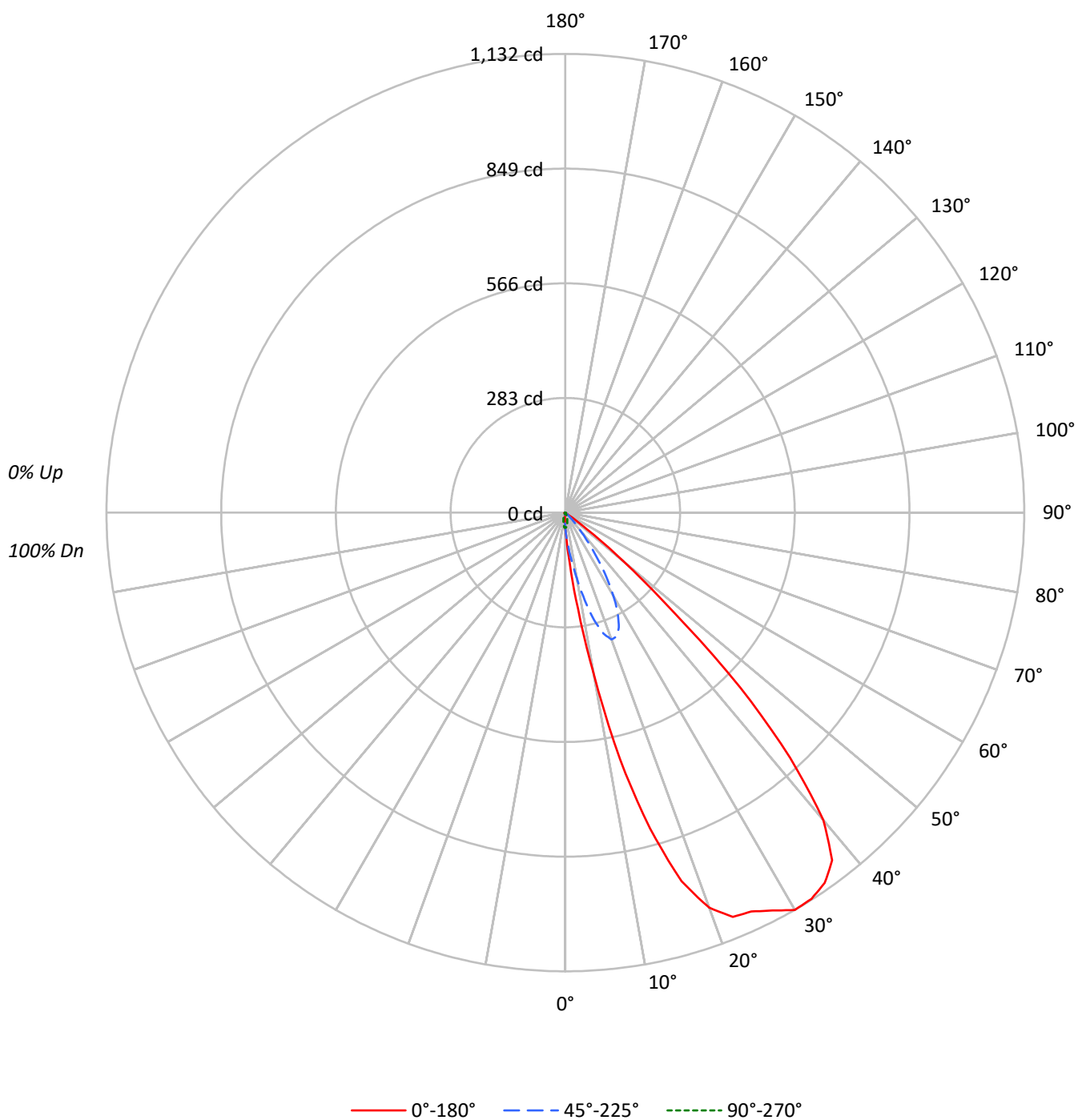
Lumens per Lamp: N/A
Luminaire Lumens: 356.0 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
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°	8201	8201	8201	8201	8201
5°	27933	18138	7660	3236	2399
10°	89867	36784	6056	1202	779
15°	183111	62384	4291	431	295
20°	242128	77707	2754	140	140
25°	262733	75537	1548	73	145
30°	286601	60212	658	76	152
35°	298638	37477	161	80	161
40°	283388	16374	86	172	286
45°	189198	6543	93	310	496
50°	63452	1092	205	443	648
55°	3555	115	229	612	841
60°	263	132	439	702	965
65°	311	156	519	830	1141
70°	192	192	641	1026	1218
75°	254	254	847	1101	1356
80°	0	379	1263	1263	1263
85°	0	755	2516	755	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 189198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	1.8
10°-20°	51.1	14.4
20°-30°	107.9	30.3
30°-40°	122.4	34.4
40°-50°	60.3	16.9
50°-60°	5.2	1.5
60°-70°	1.1	0.3
70°-80°	1.0	0.3
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°	165.5	46.5
0°-40°	288.0	80.9
0°-60°	353.4	99.3
0°-90°	356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	37	37	37	37	37	
5°	127	82	35	15	11	21
15°	807	275	19	2	1	229
25°	1086	312	6	0	1	505
35°	1116	140	1	0	1	688
45°	610	21	0	1	2	451
55°	9	0	1	2	2	36
65°	1	0	1	2	2	0
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°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
2.5°	64.9	66.5	65.8	65.5	65.2	63.9	61.0	60.7	57.8	55.9	46.3
5°	126.9	124.3	125.0	121.4	117.0	110.6	106.4	97.5	90.1	82.4	54.0
7.5°	239.0	235.5	228.8	218.6	208.0	194.3	173.5	156.9	137.7	119.5	60.1
10°	403.6	401.7	393.1	366.9	343.9	307.1	272.6	236.2	200.4	165.2	64.2
12.5°	623.5	610.4	594.7	559.9	514.5	468.5	400.4	337.5	280.3	221.5	64.6
15°	806.6	798.3	776.2	730.9	676.2	609.7	528.9	444.2	357.9	274.8	61.4
17.5°	953.9	941.1	912.7	868.3	805.3	719.0	624.4	521.2	416.1	312.9	55.9
20°	1037.6	1030.9	1009.2	964.8	896.1	801.8	694.1	573.9	452.5	333.0	48.9
22.5°	1079.8	1075.0	1059.0	1023.6	959.3	864.4	741.1	601.4	463.1	330.8	41.5
25°	1085.9	1084.6	1070.9	1044.0	990.3	896.4	761.5	606.5	454.4	312.2	34.5
27.5°	1107.0	1102.5	1086.2	1059.4	1005.4	901.8	754.5	589.0	426.6	279.6	28.8
30°	1131.9	1128.7	1112.4	1084.6	1020.7	896.7	729.6	550.0	382.2	237.8	21.4
32.5°	1130.0	1128.7	1115.0	1085.6	1009.8	866.7	685.2	491.5	321.8	187.6	13.4
35°	1115.6	1111.1	1093.9	1048.5	947.8	789.3	600.8	412.2	254.7	140.0	8.6
37.5°	1081.1	1071.5	1042.4	965.4	836.9	670.1	489.3	318.3	180.2	93.6	5.4
40°	990.0	977.9	919.4	826.4	691.9	527.9	364.0	218.9	118.9	57.2	2.2
42.5°	821.3	796.7	738.2	642.7	516.4	373.3	239.0	141.9	70.0	34.5	0.6
45°	610.1	591.2	529.8	443.2	338.4	239.4	144.8	76.7	38.7	21.1	0.3
47.5°	355.4	343.9	312.2	255.3	186.9	125.6	74.1	41.2	22.7	10.2	0.3
50°	186.0	171.6	147.6	111.8	82.4	57.8	36.1	22.1	11.2	3.2	0.3
52.5°	65.2	64.2	58.5	44.1	35.8	25.9	17.6	9.6	3.2	0.6	0.3
55°	9.3	9.3	8.6	9.6	10.2	9.3	6.1	2.6	0.6	0.3	0.3
57.5°	0.6	0.6	0.6	1.0	1.3	1.3	1.0	0.3	0.3	0.3	0.6
60°	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
62.5°	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
65°	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
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°	37.4	37.4	37.4	37.4	37.4
2.5°	37.1	29.7	23.6	20.8	19.8
5°	34.8	22.4	14.7	11.5	10.9
7.5°	31.0	16.0	8.9	6.4	6.1
10°	27.2	11.5	5.4	3.8	3.5
12.5°	22.7	8.0	3.5	2.2	1.9
15°	18.9	5.4	1.9	1.6	1.3
17.5°	15.0	3.5	1.3	1.0	1.3
20°	11.8	2.2	0.6	0.6	0.6
22.5°	8.9	1.3	0.6	0.6	0.6
25°	6.4	0.6	0.3	0.3	0.6
27.5°	4.5	0.3	0.3	0.3	0.6
30°	0.6	0.3	0.3	0.3	0.6
32.5°	1.3	0.3	0.3	0.6	0.6
35°	0.6	0.3	0.3	0.6	0.6
37.5°	0.3	0.3	0.3	0.6	1.0
40°	0.3	0.3	0.6	1.0	1.0
42.5°	0.3	0.3	0.6	1.0	1.3
45°	0.3	0.6	1.0	1.3	1.6
47.5°	0.6	0.6	1.3	1.6	1.9
50°	0.6	1.0	1.3	1.9	1.9
52.5°	0.6	1.0	1.6	1.9	2.2
55°	0.6	1.3	1.6	2.2	2.2
57.5°	1.0	1.3	1.6	2.2	2.2
60°	1.0	1.3	1.6	2.2	2.2
62.5°	1.0	1.3	1.6	2.2	2.2
65°	1.0	1.3	1.6	2.2	2.2
67.5°	1.0	1.3	1.6	1.9	2.2
70°	1.0	1.3	1.6	1.9	1.9
72.5°	1.3	1.3	1.6	1.9	1.9
75°	1.0	1.3	1.3	1.6	1.6
77.5°	1.0	1.0	1.0	1.3	1.3
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.6	0.6	1.0	1.0
85°	1.0	0.6	0.3	0.6	0.6
87.5°	0.6	0.6	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)