

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: P1344780

Luminaire Tested: P3A13R25W2N902765DE010 E3A301GPH_3000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R25W2N902765DE010 E3A301GPH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

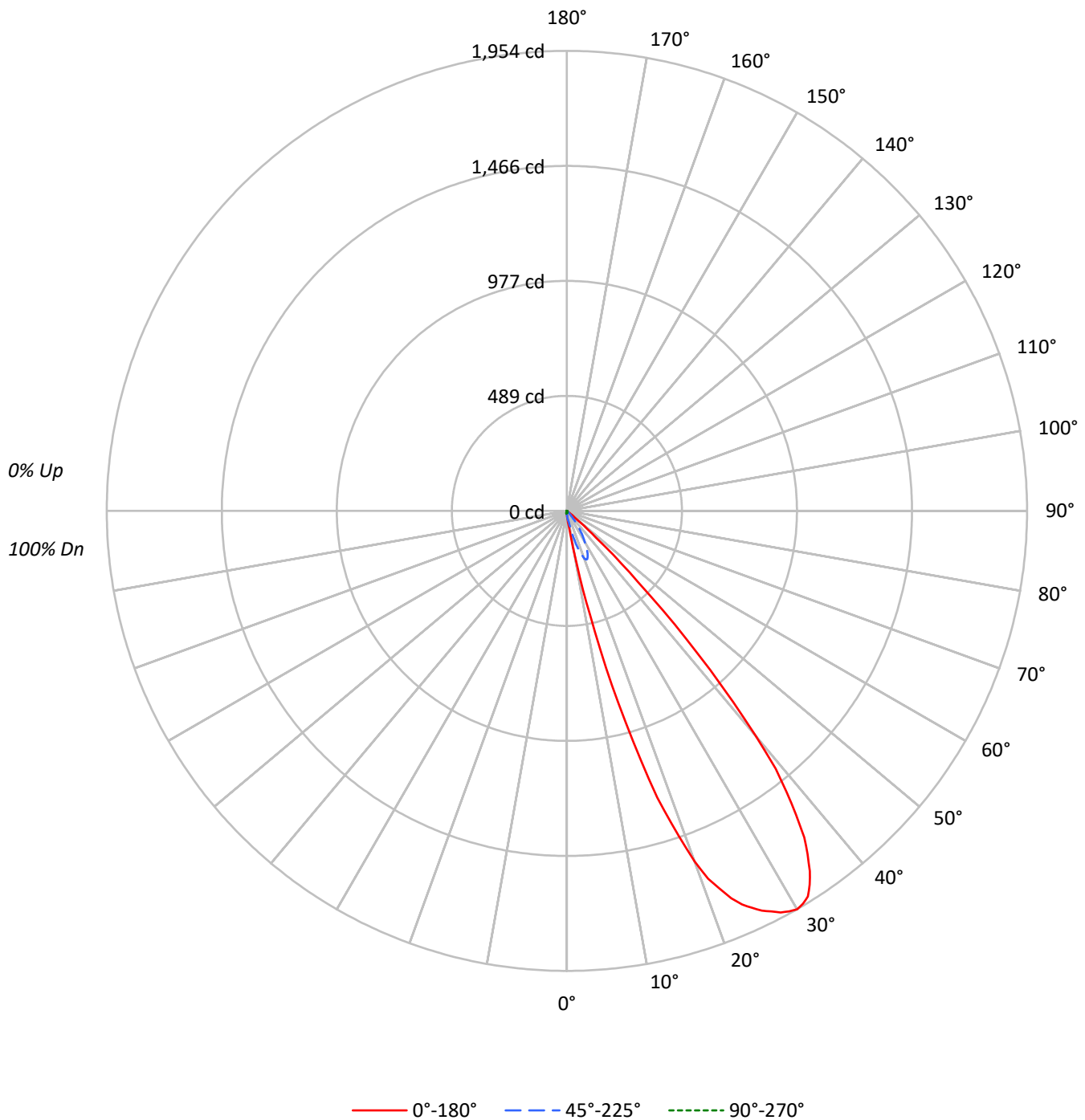
Lumens per Lamp: N/A
Luminaire Lumens: 391.0 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	10
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	88	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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	50	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3684	3684	3684	3684	3684
5°	9245	6824	3456	1761	1365
10°	40369	11623	2850	802	579
15°	191965	31306	1998	341	250
20°	369539	50148	1283	93	93
25°	450074	50567	702	0	0
30°	494836	38715	279	0	0
35°	476867	24601	107	0	0
40°	356296	10649	0	0	115
45°	131921	2822	124	124	341
50°	15556	375	239	239	512
55°	1529	0	268	421	688
60°	175	0	482	658	789
65°	208	208	778	934	1141
70°	256	256	962	962	1410
75°	339	339	932	932	1271
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 131921 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.6
10°-20°	45.6	11.7
20°-30°	143.1	36.6
30°-40°	150.6	38.5
40°-50°	44.3	11.3
50°-60°	2.4	0.6
60°-70°	1.2	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°	191.1	48.9
0°-40°	341.7	87.4
0°-60°	388.4	99.3
0°-90°	391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	391.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	42	31	16	8	6	7
15°	846	138	9	2	1	267
25°	1860	209	3	0	0	853
35°	1781	92	0	0	0	1075
45°	425	9	0	0	1	387
55°	4	0	1	1	2	10
65°	0	0	2	2	2	0
75°	0	0	1	1	2	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°	45°	67.5°	90°	112.5°
0°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
2.5°	25.9	26.3	25.2	25.9	25.2	24.8	24.4	22.6	19.7	16.8	13.9
5°	42.0	42.0	40.1	39.8	39.0	37.6	36.1	31.0	22.3	15.7	10.9
7.5°	65.7	65.3	64.6	62.7	59.1	55.5	51.8	40.5	24.4	14.6	8.4
10°	181.3	178.8	175.5	155.8	133.5	113.8	96.7	52.2	26.3	12.8	6.2
12.5°	450.5	435.9	401.3	361.9	311.5	258.6	206.8	85.0	27.0	10.6	4.4
15°	845.6	815.3	761.4	682.6	579.7	464.0	365.5	137.9	26.3	8.8	3.3
17.5°	1276.8	1247.6	1172.9	1053.2	901.8	724.1	549.8	182.8	24.4	7.3	2.2
20°	1583.6	1552.6	1482.6	1355.6	1191.8	955.1	723.8	214.9	23.0	5.5	1.1
21°	1673.4	1642.4	1568.3	1445.7	1273.5	1036.1	779.6	220.3	21.9	4.7	0.7
22°	1730.3	1712.0	1632.5	1513.6	1338.1	1101.0	827.4	222.9	21.2	4.4	0.7
23°	1787.6	1760.2	1685.8	1560.3	1387.4	1149.1	862.8	221.1	20.4	3.6	0.4
24°	1829.9	1806.9	1720.4	1596.4	1421.7	1178.7	883.6	216.3	19.3	3.3	0.4
25°	1860.2	1839.0	1748.9	1620.8	1444.6	1194.7	890.1	209.0	18.2	2.9	0.4
26°	1889.0	1866.0	1772.6	1635.1	1456.7	1199.9	883.9	201.0	17.1	2.6	0.0
27°	1909.8	1886.4	1789.0	1643.5	1457.4	1193.7	867.1	190.1	16.1	2.2	0.0
28°	1932.0	1905.0	1800.3	1648.2	1453.0	1179.1	843.1	178.4	15.3	1.8	0.0
29°	1945.5	1920.0	1812.0	1653.3	1443.9	1154.6	808.0	164.5	13.5	1.1	0.0
30°	1954.3	1924.0	1810.9	1647.8	1431.9	1128.4	766.1	152.9	11.7	1.1	0.0
31°	1947.0	1915.2	1799.2	1632.5	1412.5	1094.1	723.0	138.3	9.5	0.7	0.0
32°	1931.3	1893.7	1778.8	1605.9	1377.9	1049.9	678.5	126.2	6.9	0.7	0.0
33°	1893.0	1861.3	1742.0	1570.1	1332.6	990.1	620.5	114.5	4.7	0.4	0.0
34°	1844.8	1813.1	1691.6	1522.3	1272.1	912.7	550.1	102.5	4.0	0.4	0.0
35°	1781.4	1750.0	1634.7	1455.6	1191.8	819.7	477.5	91.9	3.3	0.4	0.0
36°	1714.6	1673.0	1562.8	1384.4	1084.2	713.9	399.8	79.9	2.6	0.4	0.0
37°	1616.5	1588.4	1466.2	1276.1	967.8	612.5	343.3	68.9	1.8	0.4	0.0
38°	1514.7	1488.8	1369.5	1167.0	838.0	512.2	287.5	58.4	1.5	0.0	0.0
39°	1409.6	1366.6	1248.7	1027.3	701.9	429.0	241.9	48.9	0.7	0.0	0.0
40°	1244.7	1211.9	1086.0	859.5	580.8	347.7	206.1	37.2	0.7	0.0	0.0
42.5°	825.2	794.6	662.5	466.2	308.6	203.2	136.1	14.6	0.0	0.4	0.0
45°	425.4	406.0	329.8	244.1	175.1	124.8	87.6	9.1	0.0	0.4	0.4
47.5°	168.9	165.6	149.6	129.1	99.6	74.1	47.8	4.0	0.0	0.4	0.4
50°	45.6	46.0	43.0	39.8	36.1	33.9	20.1	1.1	0.0	0.7	0.4
52.5°	19.3	19.7	19.0	17.9	16.1	12.0	8.0	0.4	0.4	0.7	0.7
55°	4.0	4.4	4.7	5.1	5.8	5.1	3.3	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.5	1.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	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):

	135°	157.5°	180°
0°	16.8	16.8	16.8
2.5°	11.7	10.6	10.2
5°	8.0	6.9	6.2
7.5°	5.5	4.4	4.0
10°	3.6	2.9	2.6
12.5°	2.6	1.5	1.5
15°	1.5	1.1	1.1
17.5°	0.7	0.4	0.4
20°	0.4	0.4	0.4
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.5
50°	0.7	1.5	1.5
52.5°	1.1	1.5	1.8
55°	1.1	1.8	1.8
57.5°	1.5	1.8	2.2
60°	1.5	1.8	1.8
62.5°	1.5	2.2	2.2
65°	1.8	2.2	2.2
67.5°	1.8	2.2	2.2
70°	1.5	1.8	2.2
72.5°	1.5	1.8	1.8
75°	1.1	1.5	1.5
77.5°	1.1	1.1	1.5
80°	0.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)