

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: P1344703

Luminaire Tested: P3A13R25W2N902750DE010 E3A301GPH_5000K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344703
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: P3A13R25W2N902750DE010 E3A301GPH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

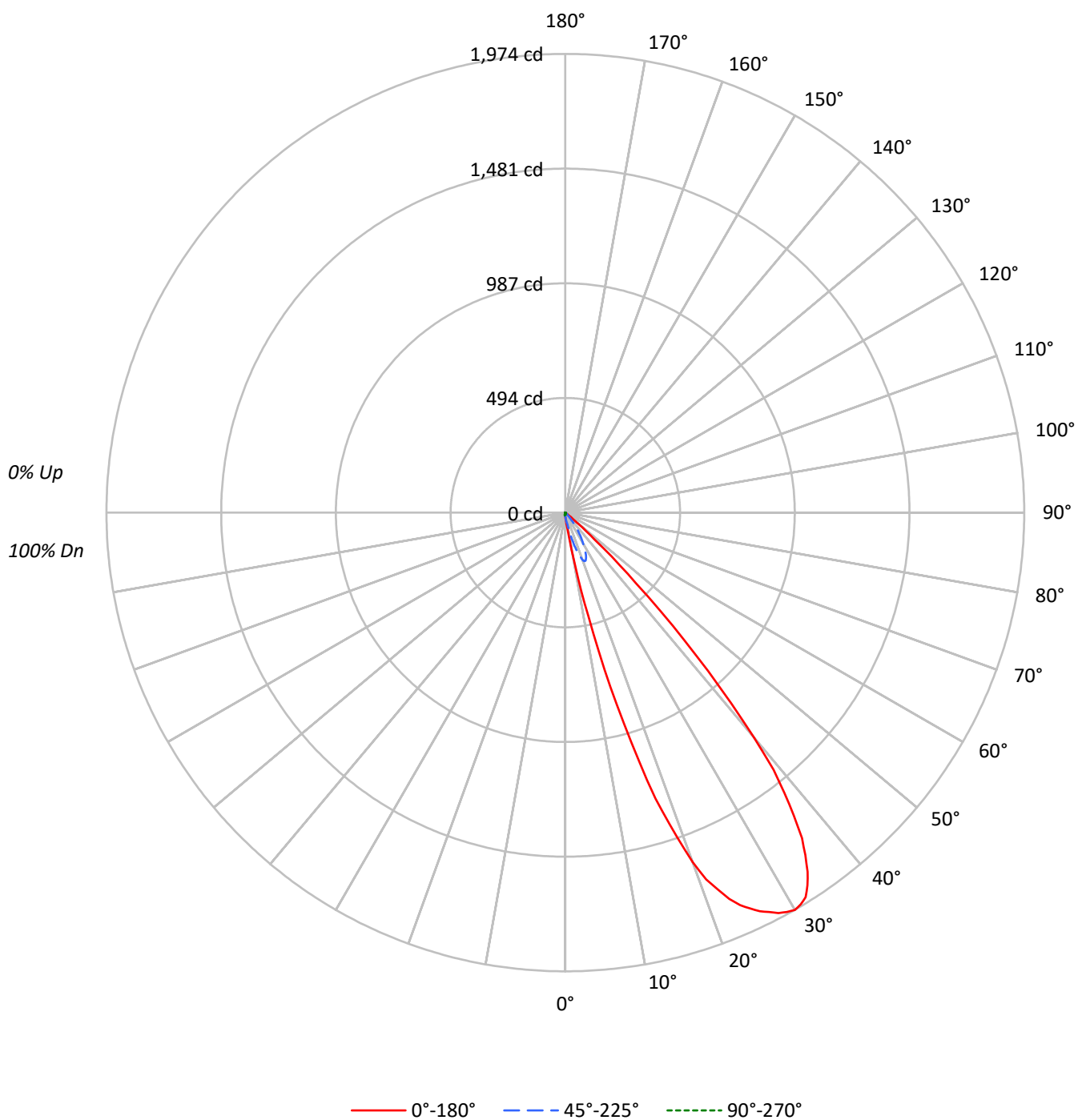
Lumens per Lamp: N/A
Luminaire Lumens: 395.0 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	51	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°	3728	3728	3728	3728	3728
5°	9333	6890	3478	1783	1387
10°	40792	11734	2872	824	579
15°	193940	31623	1998	341	250
20°	373319	50661	1283	93	93
25°	454671	51100	702	0	0
30°	499900	39095	279	0	0
35°	481739	24869	107	0	0
40°	359960	10763	0	0	115
45°	133254	2853	124	124	341
50°	15727	375	239	239	512
55°	1567	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: 133254 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	46.1	11.7
20°-30°	144.5	36.6
30°-40°	152.2	38.5
40°-50°	44.7	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°	193.1	48.9
0°-40°	345.2	87.4
0°-60°	392.3	99.3
0°-90°	395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	42	31	16	8	6	8
15°	854	139	9	2	1	269
25°	1879	211	3	0	0	862
35°	1800	93	0	0	0	1086
45°	430	9	0	0	1	390
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°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2.5°	26.2	26.5	25.4	26.2	25.4	25.1	24.7	22.8	19.9	17.0	14.0
5°	42.4	42.4	40.5	40.2	39.4	38.0	36.5	31.3	22.5	15.8	11.1
7.5°	66.3	66.0	65.2	63.4	59.7	56.0	52.3	40.9	24.7	14.7	8.5
10°	183.2	180.6	177.3	157.4	134.9	115.0	97.7	52.7	26.5	12.9	6.3
12.5°	455.1	440.4	405.4	365.6	314.7	261.3	209.0	85.9	27.3	10.7	4.4
15°	854.3	823.7	769.1	689.5	585.6	468.8	369.3	139.3	26.5	8.8	3.3
17.5°	1289.9	1260.4	1184.9	1064.0	911.0	731.6	555.4	184.6	24.7	7.4	2.2
20°	1599.8	1568.5	1497.7	1369.5	1204.0	964.8	731.2	217.1	23.2	5.5	1.1
21°	1690.5	1659.2	1584.4	1460.5	1286.6	1046.7	787.6	222.6	22.1	4.8	0.7
22°	1748.0	1729.6	1649.2	1529.1	1351.8	1112.3	835.8	225.2	21.4	4.4	0.7
23°	1805.8	1778.2	1703.0	1576.2	1401.6	1160.9	871.6	223.3	20.6	3.7	0.4
24°	1848.6	1825.4	1738.0	1612.7	1436.2	1190.8	892.6	218.5	19.5	3.3	0.4
25°	1879.2	1857.8	1766.8	1637.4	1459.4	1207.0	899.2	211.2	18.4	2.9	0.4
26°	1908.3	1885.1	1790.7	1651.8	1471.6	1212.1	893.0	203.1	17.3	2.6	0.0
27°	1929.3	1905.7	1807.3	1660.3	1472.3	1205.9	876.0	192.0	16.2	2.2	0.0
28°	1951.8	1924.5	1818.7	1665.1	1467.9	1191.1	851.7	180.2	15.5	1.8	0.0
29°	1965.4	1939.6	1830.5	1670.2	1458.7	1166.4	816.3	166.2	13.6	1.1	0.0
30°	1974.3	1943.7	1829.4	1664.7	1446.5	1139.9	773.9	154.4	11.8	1.1	0.0
31°	1966.9	1934.8	1817.6	1649.2	1427.0	1105.3	730.4	139.7	9.6	0.7	0.0
32°	1951.1	1913.1	1797.0	1622.3	1392.0	1060.7	685.5	127.5	7.0	0.7	0.0
33°	1912.4	1880.3	1759.8	1586.2	1346.3	1000.2	626.9	115.7	4.8	0.4	0.0
34°	1863.7	1831.6	1708.9	1537.9	1285.1	922.1	555.8	103.6	4.1	0.4	0.0
35°	1799.6	1767.9	1651.4	1470.5	1204.0	828.1	482.4	92.9	3.3	0.4	0.0
36°	1732.1	1690.1	1578.8	1398.6	1095.3	721.2	403.9	80.7	2.6	0.4	0.0
37°	1633.0	1604.6	1481.2	1289.2	977.7	618.8	346.8	69.7	1.8	0.4	0.0
38°	1530.2	1504.0	1383.5	1179.0	846.5	517.4	290.4	59.0	1.5	0.0	0.0
39°	1424.0	1380.6	1261.5	1037.8	709.1	433.4	244.3	49.4	0.7	0.0	0.0
40°	1257.5	1224.3	1097.1	868.3	586.7	351.2	208.2	37.6	0.7	0.0	0.0
42.5°	833.6	802.7	669.3	471.0	311.8	205.3	137.5	14.7	0.0	0.4	0.0
45°	429.7	410.2	333.2	246.6	176.9	126.0	88.4	9.2	0.0	0.4	0.4
47.5°	170.6	167.3	151.1	130.5	100.6	74.8	48.3	4.1	0.0	0.4	0.4
50°	46.1	46.4	43.5	40.2	36.5	34.3	20.3	1.1	0.0	0.7	0.4
52.5°	19.5	19.9	19.2	18.1	16.2	12.2	8.1	0.4	0.4	0.7	0.7
55°	4.1	4.4	4.8	5.2	5.9	5.2	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°	17.0	17.0	17.0
2.5°	11.8	10.7	10.3
5°	8.1	7.0	6.3
7.5°	5.5	4.4	4.1
10°	3.7	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)