

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: P1343699

Luminaire Tested: P3A13R15W2N902750DE010 E3A301GPH_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1343699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R15W2N902750DE010 E3A301GPH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

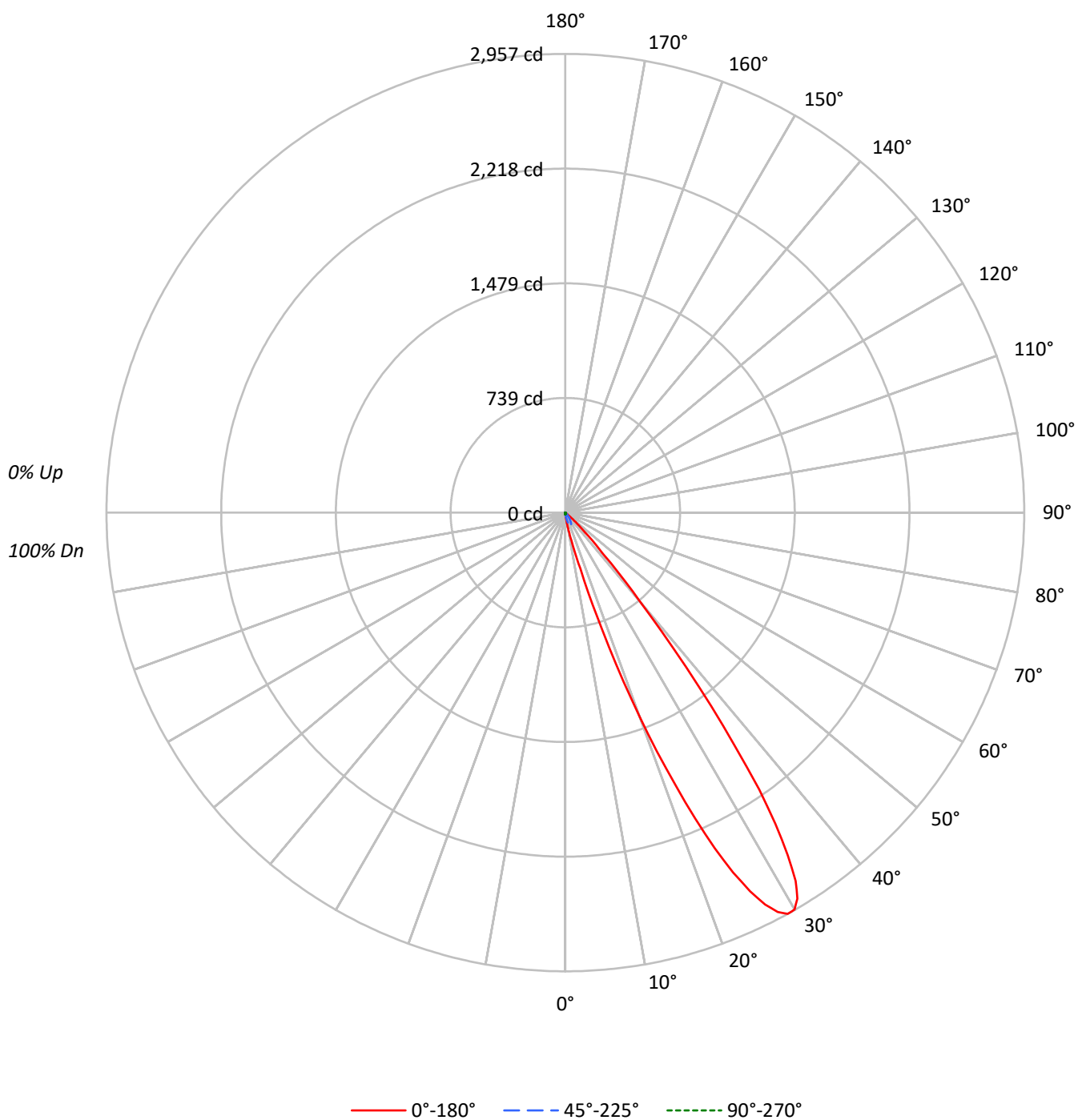
Lumens per Lamp: N/A
Luminaire Lumens: 323.0 lumens
Efficiency: N/A
Efficacy: 26.3 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68	
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61	
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55	
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	
8	71	60	53	48	70	59	52	48	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	43	39	49	43	39	48	43	39	47	42	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2346	2346	2346	2346	2346
5°	5041	3742	2223	1167	969
10°	22378	7058	1759	490	356
15°	84677	16345	1203	204	136
20°	325622	23032	723	70	70
25°	619173	21582	387	0	0
30°	747989	17420	152	0	0
35°	583382	11859	80	0	0
40°	212885	5840	86	0	86
45°	54672	1768	93	0	186
50°	9211	205	102	102	307
55°	1185	0	229	344	612
60°	132	132	395	570	833
65°	156	156	675	830	986
70°	192	192	833	833	1026
75°	254	254	1101	763	1101
80°	0	379	1137	758	1137
85°	0	755	2264	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.5
10°-20°	24.7	7.7
20°-30°	137.3	42.5
30°-40°	132.6	41.1
40°-50°	23.1	7.1
50°-60°	1.6	0.5
60°-70°	1.0	0.3
70°-80°	0.8	0.2
80°-90°	0.4	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°	163.5	50.6
0°-40°	296.1	91.7
0°-60°	320.8	99.3
0°-90°	323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	323.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	11	11	11	11	11	
5°	23	17	10	5	4	5
15°	373	72	5	1	1	166
25°	2559	89	2	0	0	1144
35°	2179	44	0	0	0	1253
45°	176	6	0	0	1	189
55°	3	0	1	1	2	6
65°	0	0	1	2	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
2.5°	15.7	15.1	15.4	15.4	15.4	15.4	15.4	14.8	14.8	15.1	13.5
5°	22.9	22.9	22.6	22.9	22.9	22.6	22.0	21.7	21.7	21.1	17.0
7.5°	45.9	45.2	45.2	44.6	41.5	40.5	39.9	38.3	35.5	34.9	22.0
10°	100.5	100.9	98.7	95.8	95.5	90.8	89.2	86.4	81.1	75.7	31.7
12.5°	182.5	178.5	173.1	173.4	164.3	161.2	154.0	146.1	137.9	129.4	52.2
15°	373.0	361.3	368.2	351.3	332.1	310.4	288.4	260.8	237.2	212.1	72.0
17.5°	785.5	796.8	777.6	705.1	660.4	608.0	534.1	462.8	401.9	352.8	88.0
20°	1395.4	1412.0	1347.0	1283.8	1175.4	1057.3	934.1	794.6	661.1	545.4	98.7
21°	1650.2	1640.1	1613.4	1512.2	1387.2	1250.2	1099.4	945.4	783.6	633.4	99.6
22°	1896.5	1901.2	1839.0	1733.1	1603.0	1451.3	1267.2	1077.1	902.7	705.1	98.0
23°	2141.9	2157.0	2074.6	1975.4	1811.7	1640.4	1427.4	1222.2	1006.7	787.1	94.9
24°	2369.1	2358.7	2303.1	2178.0	2003.0	1802.6	1581.4	1332.5	1092.2	857.1	92.4
25°	2559.1	2557.9	2470.5	2348.9	2148.8	1926.7	1682.8	1422.7	1165.4	904.6	89.2
26°	2714.7	2689.2	2620.4	2472.1	2274.5	2040.1	1766.1	1488.4	1206.5	928.5	86.1
27°	2834.7	2816.5	2724.1	2569.8	2363.4	2104.2	1819.5	1521.0	1225.4	936.3	82.0
28°	2915.4	2895.6	2797.3	2638.3	2412.4	2144.4	1847.8	1534.9	1225.4	928.8	78.2
29°	2957.2	2930.2	2832.2	2661.9	2423.7	2149.1	1840.9	1521.3	1206.2	905.5	73.8
30°	2954.1	2920.5	2817.7	2640.5	2390.1	2110.5	1802.2	1472.6	1162.8	871.0	68.8
31°	2903.2	2865.5	2750.8	2568.3	2320.7	2037.6	1729.3	1407.3	1103.5	826.0	63.8
32°	2799.8	2752.1	2640.2	2458.3	2213.8	1928.5	1623.5	1306.4	1014.5	760.4	58.4
33°	2631.4	2583.3	2463.3	2292.7	2069.3	1790.3	1483.0	1198.0	913.4	682.1	54.0
34°	2420.6	2376.6	2273.2	2101.4	1887.1	1615.3	1321.5	1048.2	808.4	604.5	49.3
35°	2179.3	2109.2	2015.6	1879.5	1670.6	1397.2	1147.1	908.7	700.3	523.1	44.3
36°	1852.8	1865.4	1766.1	1599.6	1426.5	1212.2	972.1	757.5	585.7	445.8	39.9
37°	1563.4	1543.7	1480.5	1351.7	1200.9	988.2	814.7	642.2	492.7	377.0	35.2
38°	1261.2	1265.6	1203.7	1104.7	955.2	812.5	655.7	527.5	412.2	320.8	30.8
39°	987.2	983.8	967.1	875.4	739.9	646.3	531.3	437.4	343.4	270.5	26.1
40°	743.7	749.4	710.4	655.1	576.2	499.3	423.2	348.8	284.0	228.1	20.4
42.5°	361.6	370.4	344.7	330.5	295.7	265.5	224.0	182.9	155.5	134.5	9.1
45°	176.3	171.2	169.0	162.1	154.0	137.6	121.9	104.6	91.4	78.9	5.7
47.5°	90.2	87.7	87.7	84.8	82.0	76.7	68.8	63.2	56.9	49.0	2.2
50°	27.0	26.7	26.4	26.7	25.8	26.7	27.3	27.6	25.1	24.8	0.6
52.5°	10.7	11.0	10.7	11.6	11.6	11.3	11.6	11.3	11.0	9.7	0.0
55°	3.1	3.1	3.1	3.1	3.1	3.1	3.5	3.8	3.5	3.8	0.0
57.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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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CATALOG NUMBER: P3A13R15W2N902750DE010 E3A301GPH_2700K

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	10.7	10.7	10.7	10.7	10.7	10.7
2.5°	12.6	11.0	9.1	7.5	6.9	6.6
5°	13.5	10.1	6.9	5.3	4.7	4.4
7.5°	14.5	9.1	5.3	3.8	2.8	2.5
10°	15.1	7.9	4.1	2.2	1.6	1.6
12.5°	15.1	6.3	2.8	1.3	0.9	0.9
15°	14.8	5.3	1.9	0.9	0.6	0.6
17.5°	14.5	4.1	1.3	0.6	0.3	0.6
20°	13.5	3.1	0.6	0.3	0.3	0.3
21°	13.2	2.8	0.6	0.3	0.3	0.3
22°	12.6	2.5	0.3	0.0	0.3	0.3
23°	11.9	1.9	0.3	0.0	0.0	0.0
24°	11.0	1.6	0.3	0.0	0.0	0.0
25°	10.4	1.6	0.3	0.0	0.0	0.0
26°	9.7	0.9	0.0	0.0	0.0	0.0
27°	8.8	0.6	0.0	0.0	0.0	0.0
28°	8.2	0.6	0.0	0.0	0.0	0.0
29°	7.2	0.6	0.0	0.0	0.0	0.0
30°	6.3	0.6	0.0	0.0	0.0	0.0
31°	5.0	0.3	0.0	0.0	0.0	0.0
32°	4.1	0.3	0.0	0.0	0.0	0.0
33°	2.8	0.3	0.0	0.0	0.0	0.0
34°	1.9	0.3	0.0	0.0	0.0	0.0
35°	1.6	0.3	0.0	0.0	0.0	0.0
36°	0.9	0.3	0.0	0.0	0.0	0.3
37°	0.9	0.3	0.0	0.0	0.0	0.3
38°	0.6	0.3	0.0	0.0	0.0	0.3
39°	0.3	0.3	0.0	0.0	0.0	0.3
40°	0.3	0.3	0.0	0.0	0.0	0.3
42.5°	0.0	0.3	0.0	0.0	0.3	0.6
45°	0.0	0.3	0.0	0.0	0.3	0.6
47.5°	0.0	0.3	0.0	0.0	0.6	0.6
50°	0.0	0.3	0.3	0.3	0.6	0.9
52.5°	0.0	0.6	0.3	0.6	0.9	1.3
55°	0.3	0.6	0.6	0.9	1.3	1.6
57.5°	0.3	0.9	0.9	1.3	1.6	1.6
60°	0.6	0.9	1.3	1.3	1.9	1.9
62.5°	0.6	1.3	1.3	1.3	1.9	1.9
65°	0.6	1.3	1.3	1.6	1.9	1.9
67.5°	0.6	1.3	1.3	1.3	1.6	1.9
70°	0.6	1.3	0.9	1.3	1.6	1.6
72.5°	0.6	1.3	0.9	0.9	1.3	1.6
75°	0.6	1.3	0.9	0.9	1.3	1.3
77.5°	0.6	0.9	0.9	0.6	0.9	0.9
80°	0.6	0.9	0.6	0.6	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	0.6	0.9	0.6	0.3	0.6	0.6
85°	0.6	0.9	0.6	0.3	0.3	0.3
87.5°	0.6	0.9	0.3	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)