

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: P1345322

Luminaire Tested: P3A13R30W2N902765DE010 E3A301WMH_6500K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R30W2N902765DE010 E3A301WMH_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 6500K CCT AND, 90CRI ,
E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

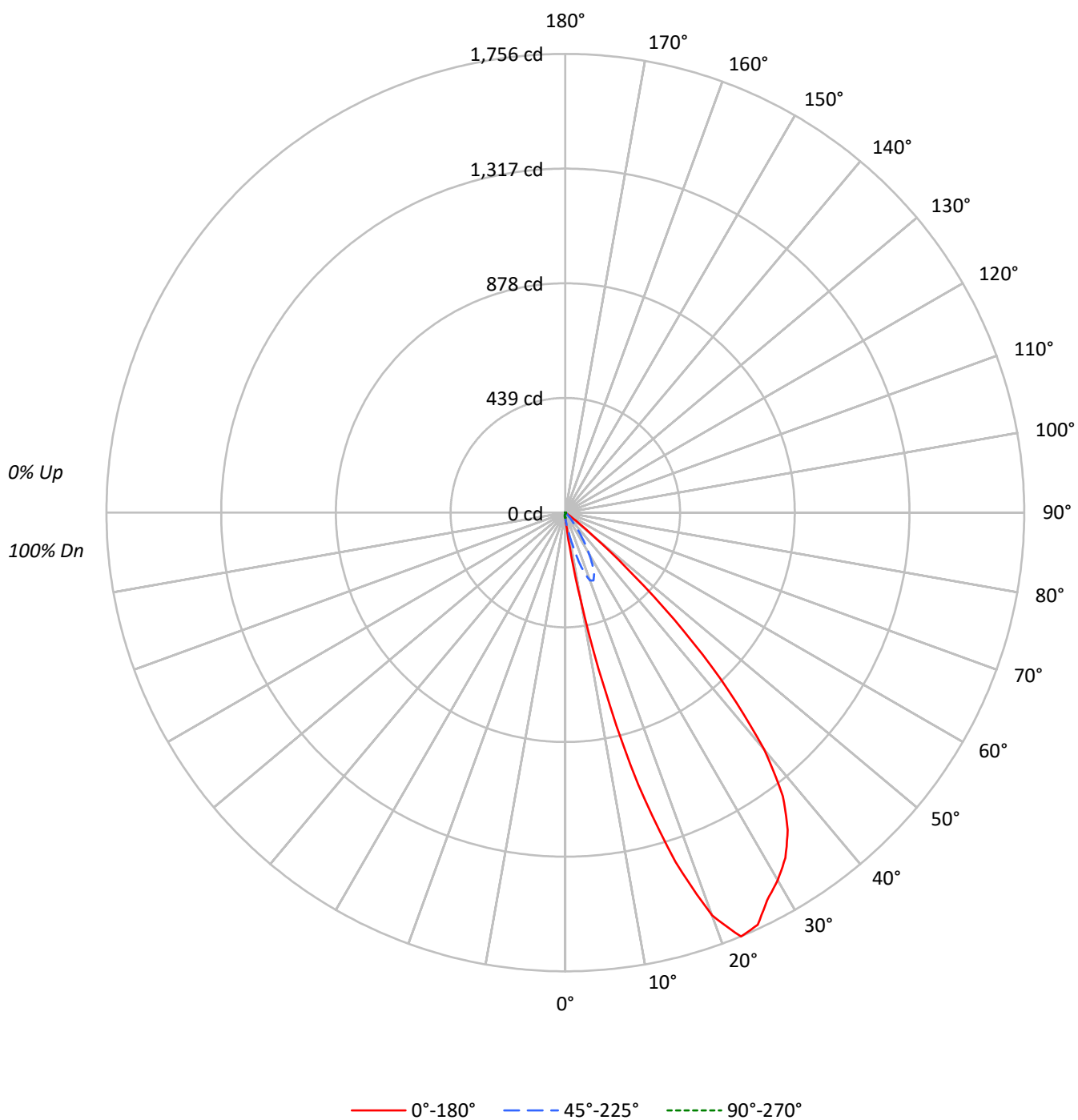
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 33.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	87	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	64	58	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4320	4320	4320	4320	4320
5°	12987	8651	4072	1827	1497
10°	75216	18370	3206	846	579
15°	244678	41657	2225	182	91
20°	382863	64452	1423	0	0
25°	421210	62979	726	0	0
30°	411405	45399	279	0	0
35°	397068	25832	107	0	0
40°	338606	10935	0	0	0
45°	198718	4093	124	0	124
50°	48271	785	136	136	375
55°	4205	0	306	421	573
60°	175	0	351	482	833
65°	208	208	571	571	986
70°	256	256	705	705	962
75°	0	339	932	932	932
80°	0	505	1389	1010	1010
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 198718 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.9
10°-20°	56.9	13.7
20°-30°	144.6	34.9
30°-40°	144.1	34.8
40°-50°	58.4	14.1
50°-60°	4.0	1.0
60°-70°	0.9	0.2
70°-80°	0.9	0.2
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°	205.1	49.5
0°-40°	349.2	84.4
0°-60°	411.7	99.4
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	59	39	18	8	7	14
15°	1078	184	10	1	0	314
25°	1741	260	3	0	0	786
35°	1483	96	0	0	0	909
45°	641	13	0	0	0	489
55°	11	0	1	1	2	29
65°	0	0	1	1	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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
2.5°	32.5	32.9	32.9	32.2	31.8	31.8	30.6	30.3	29.1	28.0	24.2
5°	59.0	57.9	56.4	56.4	53.0	51.1	48.4	45.4	43.1	39.3	28.0
7.5°	133.9	124.8	122.2	118.8	105.9	95.7	84.0	73.8	64.3	56.4	31.0
10°	337.8	320.0	305.3	275.4	238.0	202.0	168.7	130.1	103.7	82.5	33.3
12.5°	680.6	656.7	628.4	573.9	503.9	414.2	334.8	250.1	175.5	121.4	34.0
15°	1077.8	1037.3	993.0	923.8	809.2	680.6	537.2	402.1	281.8	183.5	33.3
17.5°	1401.6	1385.7	1320.3	1225.7	1085.3	919.7	743.0	558.4	380.2	240.2	31.0
20°	1640.7	1629.7	1550.7	1450.0	1291.9	1102.0	877.7	656.0	448.7	276.2	27.6
22.5°	1756.1	1754.2	1697.1	1594.2	1426.6	1211.3	964.3	712.3	469.9	281.1	23.1
25°	1740.9	1747.8	1715.2	1638.8	1478.0	1256.3	990.0	712.3	454.3	260.3	19.3
27.5°	1672.1	1676.6	1656.2	1597.6	1447.8	1223.8	954.1	666.6	409.3	223.6	15.9
30°	1624.8	1626.7	1601.3	1538.6	1379.7	1149.7	869.3	581.8	341.2	179.3	11.7
32.5°	1567.3	1566.9	1537.4	1465.5	1290.4	1045.6	761.9	480.8	262.2	136.2	6.8
35°	1483.3	1473.9	1433.8	1350.9	1157.2	905.7	624.6	366.2	188.8	96.5	4.2
37.5°	1367.9	1343.3	1286.6	1175.8	970.3	710.1	463.0	257.2	129.0	63.9	2.6
40°	1182.9	1156.8	1079.7	945.0	733.9	511.1	312.1	167.6	81.3	38.2	1.5
42.5°	927.6	909.8	805.8	671.5	484.6	326.1	187.6	99.1	45.8	21.9	0.4
45°	640.8	617.8	536.1	422.2	290.9	180.8	105.2	51.8	26.1	13.2	0.0
47.5°	353.7	325.3	278.1	218.7	146.4	95.0	53.0	28.0	14.8	6.4	0.0
50°	141.5	140.3	111.6	79.4	56.0	43.1	26.5	15.1	7.6	2.3	0.4
52.5°	49.6	49.6	42.7	34.8	27.2	19.7	13.2	7.2	2.6	0.8	0.4
55°	11.0	12.1	11.3	10.6	10.2	8.7	5.7	2.6	0.8	0.0	0.4
57.5°	1.1	1.1	1.1	1.5	1.9	1.9	1.5	0.8	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
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°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	19.7	19.7	19.7	19.7	19.7
2.5°	19.7	15.5	12.9	11.3	11.0
5°	18.5	11.7	8.3	7.2	6.8
7.5°	16.6	8.7	5.7	4.5	4.2
10°	14.4	6.4	3.8	2.6	2.6
12.5°	12.1	4.9	2.3	1.1	0.8
15°	9.8	3.0	0.8	0.4	0.4
17.5°	7.6	1.9	0.0	0.0	0.0
20°	6.1	0.8	0.0	0.0	0.0
22.5°	4.5	0.4	0.0	0.0	0.0
25°	3.0	0.0	0.0	0.0	0.0
27.5°	1.9	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.1
52.5°	0.8	0.4	0.8	1.1	1.1
55°	0.8	0.8	1.1	1.5	1.5
57.5°	0.8	0.8	1.1	1.5	1.5
60°	0.8	0.8	1.1	1.5	1.9
62.5°	1.1	1.1	1.1	1.5	1.5
65°	1.1	1.1	1.1	1.5	1.9
67.5°	1.1	1.1	1.1	1.5	1.9
70°	1.1	1.1	1.1	1.5	1.5
72.5°	1.5	1.1	1.1	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	0.8	1.1	1.1
80°	1.1	0.8	0.8	0.8	0.8
82.5°	1.1	0.8	0.8	0.8	0.8
85°	1.1	0.8	0.4	0.4	0.4
87.5°	1.1	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)