

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: P1345359

Luminaire Tested: P3A13R30W2N902765DE010 E3CA301MW_2700K

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345359
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 E3CA301MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

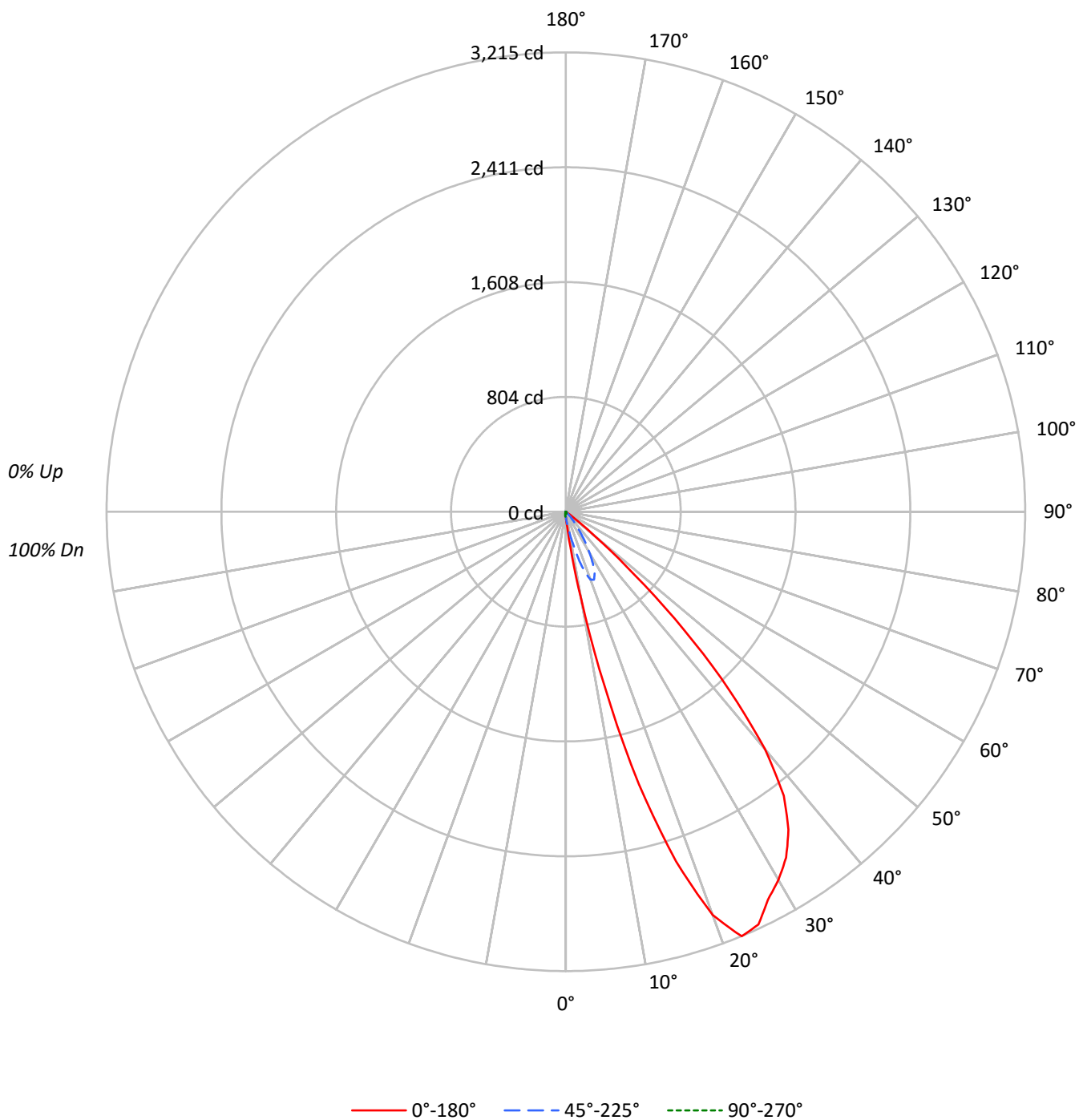
Lumens per Lamp: N/A
Luminaire Lumens: 758.1 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1345359

CATALOG NUMBER: P3A13R30W2N902765DE010 E3CA301MW_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1345359

CATALOG NUMBER: P3A13R30W2N902765DE010 E3CA301MW_2700K

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	66	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°	7894	7894	7894	7894	7894
5°	23795	15849	7462	3346	2751
10°	137717	33622	5856	1536	1069
15°	447971	76255	4086	318	159
20°	700994	117984	2590	0	0
25°	771214	115289	1331	0	0
30°	753255	83127	532	0	0
35°	726999	47274	187	0	0
40°	619990	20038	0	0	0
45°	363852	7505	217	0	217
50°	88355	1433	239	239	716
55°	7684	0	535	803	1070
60°	307	0	614	921	1535
65°	363	363	1090	1090	1816
70°	449	449	1346	1346	1795
75°	0	593	1779	1779	1779
80°	0	884	2652	1768	1768
85°	0	1761	5284	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 363852 cd/sqm

TEST NUMBER: P1345359

CATALOG NUMBER: P3A13R30W2N902765DE010 E3CA301MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.9
10°-20°	104.2	13.7
20°-30°	264.7	34.9
30°-40°	263.9	34.8
40°-50°	106.9	14.1
50°-60°	7.4	1.0
60°-70°	1.7	0.2
70°-80°	1.7	0.2
80°-90°	1.0	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°	375.5	49.5
0°-40°	639.4	84.3
0°-60°	753.7	99.4
0°-90°	758.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	108	72	34	15	12	25
15°	1973	336	18	1	1	574
25°	3188	476	6	0	0	1439
35°	2716	177	1	0	0	1665
45°	1173	24	1	0	1	895
55°	20	0	1	2	3	52
65°	1	1	2	2	4	1
75°	0	1	2	2	2	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1345359

CATALOG NUMBER: P3A13R30W2N902765DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
2.5°	59.6	60.3	60.3	58.9	58.2	58.2	56.1	55.4	53.3	51.3	44.3
5°	108.1	106.0	103.2	103.2	97.0	93.5	88.7	83.1	79.0	72.0	51.3
7.5°	245.2	228.6	223.7	217.5	193.9	175.2	153.8	135.1	117.7	103.2	56.8
10°	618.5	586.0	559.0	504.2	435.7	369.9	308.9	238.3	189.8	151.0	61.0
12.5°	1246.1	1202.4	1150.5	1050.7	922.6	758.4	613.0	457.8	321.4	222.3	62.3
15°	1973.3	1899.2	1818.2	1691.4	1481.6	1246.1	983.5	736.3	516.0	335.9	61.0
17.5°	2566.2	2537.1	2417.3	2244.1	1987.2	1683.8	1360.3	1022.3	696.1	439.8	56.8
20°	3004.0	2983.9	2839.1	2654.9	2365.4	2017.7	1606.9	1201.0	821.5	505.6	50.6
22.5°	3215.2	3211.8	3107.2	2918.8	2611.9	2217.8	1765.5	1304.2	860.3	514.6	42.3
25°	3187.5	3200.0	3140.4	3000.5	2706.1	2300.3	1812.6	1304.2	831.9	476.5	35.3
27.5°	3061.5	3069.8	3032.4	2925.0	2650.7	2240.7	1746.8	1220.4	749.4	409.3	29.1
30°	2974.9	2978.3	2931.9	2817.0	2526.1	2104.9	1591.7	1065.3	624.8	328.3	21.5
32.5°	2869.6	2868.9	2814.9	2683.3	2362.6	1914.5	1395.0	880.3	480.0	249.3	12.5
35°	2715.8	2698.5	2625.1	2473.4	2118.8	1658.2	1143.5	670.5	345.6	176.6	7.6
37.5°	2504.6	2459.6	2355.7	2152.7	1776.6	1300.1	847.8	471.0	236.2	117.1	4.8
40°	2165.9	2118.1	1976.8	1730.2	1343.7	935.8	571.4	306.8	148.9	70.0	2.8
42.5°	1698.3	1665.8	1475.3	1229.4	887.3	597.1	343.5	181.5	83.8	40.2	0.7
45°	1173.3	1131.1	981.5	773.0	532.6	331.1	192.6	94.9	47.8	24.2	0.0
47.5°	647.6	595.7	509.1	400.3	268.1	173.9	97.0	51.3	27.0	11.8	0.0
50°	259.0	257.0	204.3	145.5	102.5	79.0	48.5	27.7	13.9	4.2	0.7
52.5°	90.7	90.7	78.3	63.7	49.9	36.0	24.2	13.2	4.8	1.4	0.7
55°	20.1	22.2	20.8	19.4	18.7	15.9	10.4	4.8	1.4	0.0	0.7
57.5°	2.1	2.1	2.1	2.8	3.5	3.5	2.8	1.4	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.4
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.4
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.1
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1345359

CATALOG NUMBER: P3A13R30W2N902765DE010 E3CA301MW_2700K

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	36.0	36.0	36.0	36.0	36.0
2.5°	36.0	28.4	23.5	20.8	20.1
5°	33.9	21.5	15.2	13.2	12.5
7.5°	30.5	15.9	10.4	8.3	7.6
10°	26.3	11.8	6.9	4.8	4.8
12.5°	22.2	9.0	4.2	2.1	1.4
15°	18.0	5.5	1.4	0.7	0.7
17.5°	13.9	3.5	0.0	0.0	0.0
20°	11.1	1.4	0.0	0.0	0.0
22.5°	8.3	0.7	0.0	0.0	0.0
25°	5.5	0.0	0.0	0.0	0.0
27.5°	3.5	0.0	0.0	0.0	0.0
30°	2.1	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	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°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.4	1.4
50°	0.7	0.7	0.7	1.4	2.1
52.5°	1.4	0.7	1.4	2.1	2.1
55°	1.4	1.4	2.1	2.8	2.8
57.5°	1.4	1.4	2.1	2.8	2.8
60°	1.4	1.4	2.1	2.8	3.5
62.5°	2.1	2.1	2.1	2.8	2.8
65°	2.1	2.1	2.1	2.8	3.5
67.5°	2.1	2.1	2.1	2.8	3.5
70°	2.1	2.1	2.1	2.8	2.8
72.5°	2.8	2.1	2.1	2.8	2.8
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	1.4	2.1	2.1
80°	2.1	1.4	1.4	1.4	1.4
82.5°	2.1	1.4	1.4	1.4	1.4
85°	2.1	1.4	0.7	0.7	0.7
87.5°	2.1	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)