Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1344763

Luminaire Tested: P3A13R25W2N902750DE010 E3CA301MW_5000K

Issue Date: 2/13/2026

Test Information

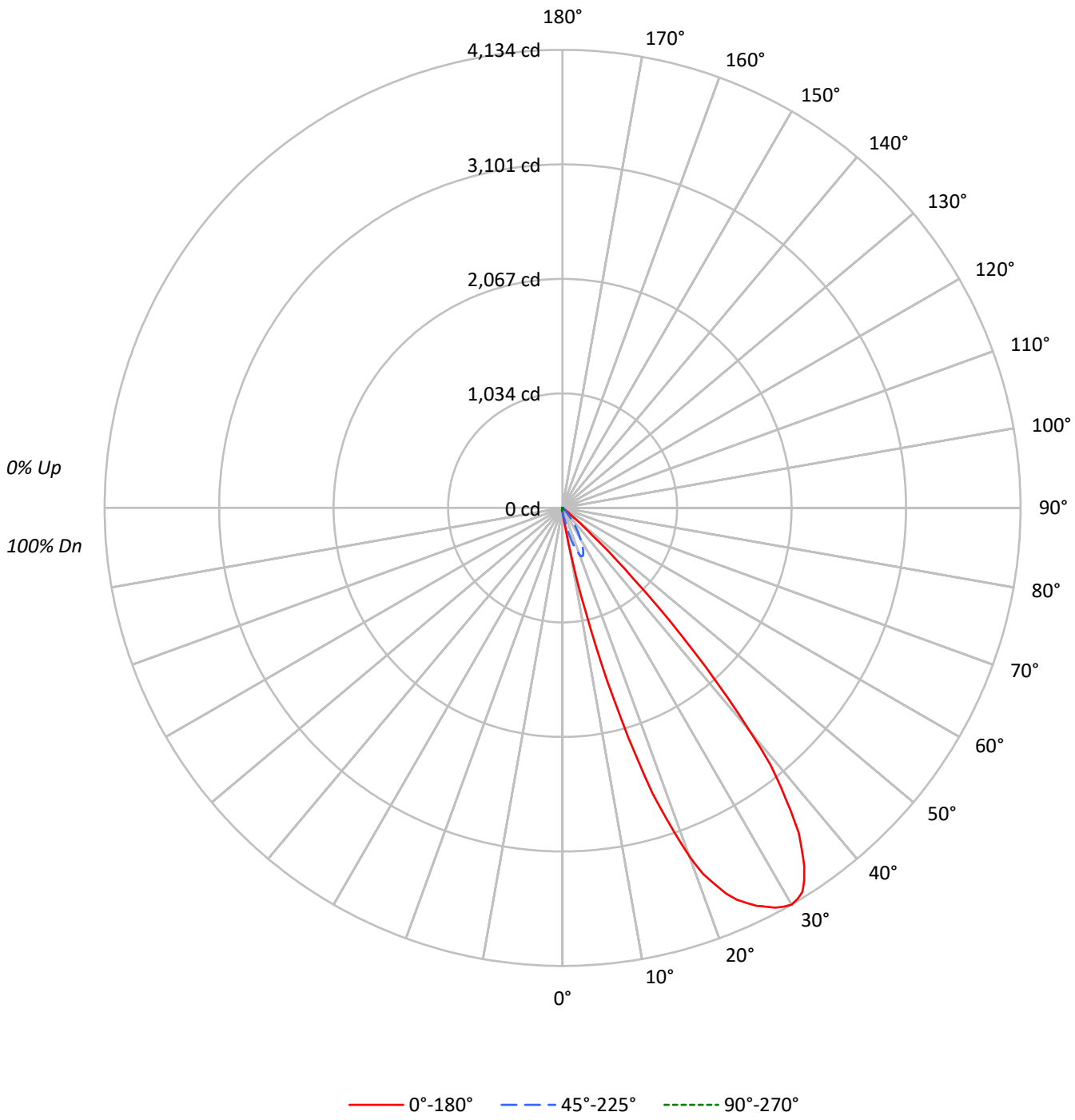
Test Method:	LM-79-2019
Report Number:	P1344763
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab:	INNOVATION CENTER
Issue Date:	2/13/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3A13R25W2N902750DE010 E3CA301MW_5000K
Description:	3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	827.0 lumens
Efficiency:	N/A
Efficacy:	67.2 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

TEST NUMBER: P1344763
CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_5000K

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1344763
CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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	104	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°	7784	7784	7784	7784	7784
5°	19524	14440	7308	3742	2884
10°	85391	24560	6012	1715	1202
15°	406041	66221	4200	704	522
20°	781618	106059	2707	187	187
25°	951926	106966	1500	0	0
30°	1046617	81861	582	0	0
35°	1008584	52039	214	0	0
40°	753612	22528	0	0	229
45°	279006	5985	248	248	713
50°	32920	785	512	512	1058
55°	3250	0	573	879	1491
60°	351	0	1009	1360	1710
65°	415	415	1608	2024	2387
70°	513	513	1988	1988	2949
75°	678	678	1949	1949	2626
80°	0	1010	2904	1894	2904
85°	0	2013	5787	2013	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 279006 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1344763
CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.6
10°-20°	96.4	11.7
20°-30°	302.6	36.6
30°-40°	318.6	38.5
40°-50°	93.6	11.3
50°-60°	5.0	0.6
60°-70°	2.4	0.3
70°-80°	2.1	0.3
80°-90°	1.1	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°	404.2	48.9
0°-40°	722.8	87.4
0°-60°	821.4	99.3
0°-90°	827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	89	66	33	17	13	16
15°	1789	292	18	3	2	564
25°	3934	442	6	0	0	1805
35°	3768	194	1	0	0	2274
45°	900	19	1	1	2	818
55°	8	0	2	2	4	22
65°	1	1	3	4	5	1
75°	1	1	2	2	3	1
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1344763
CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	*35.5*	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
2.5°	*54.8*	55.6	53.2	54.8	53.2	52.5	51.7	47.8	41.7	35.5	29.3
5°	*88.7*	88.7	84.9	84.1	82.6	79.5	76.4	65.6	47.1	33.2	23.1
7.5°	*138.9*	138.1	136.6	132.7	125.0	117.3	109.6	85.6	51.7	30.9	17.7
10°	*383.5*	378.1	371.1	329.5	282.4	240.7	204.5	110.3	55.6	27.0	13.1
12.5°	*952.9*	922.1	848.8	765.4	658.9	547.1	437.5	179.8	57.1	22.4	9.3
15°	*1788.6*	1724.5	1610.3	1443.7	1226.1	981.5	773.1	291.7	55.6	18.5	6.9
17.5°	*2700.6*	2638.9	2480.7	2227.6	1907.4	1531.6	1162.8	386.6	51.7	15.4	4.6
20°	*3349.5*	3283.9	3135.8	2867.3	2520.8	2020.1	1530.9	454.5	48.6	11.6	2.3
21°	*3539.3*	3473.7	3317.1	3057.9	2693.7	2191.3	1648.9	466.0	46.3	10.0	1.5
22°	*3659.7*	3621.1	3452.9	3201.4	2830.2	2328.7	1750.0	471.4	44.8	9.3	1.5
23°	*3780.8*	3723.0	3565.6	3300.1	2934.4	2430.5	1824.8	467.6	43.2	7.7	0.8
24°	*3870.4*	3821.7	3638.9	3376.5	3006.9	2493.0	1868.8	457.6	40.9	6.9	0.8
25°	*3934.4*	3889.6	3699.1	3428.2	3055.5	2527.0	1882.7	442.1	38.6	6.2	0.8
26°	*3995.4*	3946.7	3749.2	3458.3	3081.0	2537.8	1869.6	425.2	36.3	5.4	0.0
27°	*4039.3*	3990.0	3783.9	3476.1	3082.5	2524.7	1834.1	402.0	34.0	4.6	0.0
28°	*4086.4*	4029.3	3807.9	3486.1	3073.3	2493.8	1783.2	377.3	32.4	3.9	0.0
29°	*4115.0*	4060.9	3832.5	3496.9	3054.0	2442.1	1709.1	348.0	28.5	2.3	0.0
30°	*4133.5*	*4069.4*	*3830.2*	*3485.3*	*3028.5*	*2386.6*	*1620.4*	*323.3*	*24.7*	*2.3*	*0.0*
31°	*4118.0*	4050.9	3805.5	3452.9	2987.6	2314.0	1529.3	292.4	20.1	1.5	0.0
32°	*4084.9*	4005.4	3762.3	3396.6	2914.3	2220.7	1435.2	267.0	14.7	1.5	0.0
33°	*4003.8*	3936.7	3684.4	3321.0	2818.7	2094.1	1312.5	242.3	10.0	0.8	0.0
34°	*3902.0*	3834.9	3577.9	3219.9	2690.6	1930.5	1163.6	216.8	8.5	0.8	0.0
35°	*3767.7*	3701.4	3457.5	3078.7	2520.8	1733.8	1010.0	194.4	6.9	0.8	0.0
36°	*3626.5*	3538.6	3305.5	2928.2	2293.2	1510.0	845.7	169.0	5.4	0.8	0.0
37°	*3419.0*	3359.6	3101.1	2699.1	2047.1	1295.5	726.1	145.8	3.9	0.8	0.0
38°	*3203.7*	3148.9	2896.6	2468.4	1772.4	1083.3	608.0	123.5	3.1	0.0	0.0
39°	*2981.5*	2890.4	2641.2	2172.8	1484.6	907.4	511.6	103.4	1.5	0.0	0.0
40°	*2632.7*	2563.3	2297.1	1817.9	1228.4	735.3	436.0	78.7	1.5	0.0	0.0
42.5°	*1745.4*	1680.5	1401.2	986.1	652.8	429.8	287.8	30.9	0.0	0.8	0.0
45°	*899.7*	858.8	697.5	516.2	370.4	263.9	185.2	19.3	0.0	0.8	0.8
47.5°	*357.3*	350.3	316.4	273.1	210.6	156.6	101.1	8.5	0.0	0.8	0.8
50°	*96.5*	97.2	91.0	84.1	76.4	71.8	42.4	2.3	0.0	1.5	0.8
52.5°	*40.9*	41.7	40.1	37.8	34.0	25.5	17.0	0.8	0.8	1.5	1.5
55°	*8.5*	9.3	10.0	10.8	12.3	10.8	6.9	0.0	0.8	1.5	1.5
57.5°	*1.5*	1.5	1.5	1.5	2.3	2.3	1.5	0.0	0.8	1.5	2.3
60°	*0.8*	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.5	2.3	2.3
62.5°	*0.8*	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.1
65°	*0.8*	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	3.1	3.1
67.5°	*0.8*	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	3.1
70°	*0.8*	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	3.1
72.5°	*0.8*	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	3.1	2.3
75°	*0.8*	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.3	2.3	2.3
77.5°	*0.0*	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	2.3
80°	*0.0*	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5	2.3	1.5

TEST NUMBER: P1344763
CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_5000K

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	0.8	0.8	1.5	2.3	1.5
85°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	1.5
87.5°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	1.5
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: P1344763
CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_5000K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	35.5	35.5	35.5
2.5°	24.7	22.4	21.6
5°	17.0	14.7	13.1
7.5°	11.6	9.3	8.5
10°	7.7	6.2	5.4
12.5°	5.4	3.1	3.1
15°	3.1	2.3	2.3
17.5°	1.5	0.8	0.8
20°	0.8	0.8	0.8
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	0.8
39°	0.0	0.8	0.8
40°	0.0	0.8	0.8
42.5°	0.0	0.8	1.5
45°	0.8	1.5	2.3
47.5°	1.5	2.3	3.1
50°	1.5	3.1	3.1
52.5°	2.3	3.1	3.9
55°	2.3	3.9	3.9
57.5°	3.1	3.9	4.6
60°	3.1	3.9	3.9
62.5°	3.1	4.6	4.6
65°	3.9	4.6	4.6
67.5°	3.9	4.6	4.6
70°	3.1	3.9	4.6
72.5°	3.1	3.9	3.9
75°	2.3	3.1	3.1
77.5°	2.3	2.3	3.1
80°	1.5	2.3	2.3

TEST NUMBER: P1344763
CATALOG NUMBER: P3A13R25W2N902750DE010 E3CA301MW_5000K

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.5	1.5	1.5
85°	0.8	0.8	0.8
87.5°	0.8	0.8	0.8
90°	0.0	0.0	0.0

(END OF REPORT)