

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: P1345443

Luminaire Tested: P3A13R359030DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R359030DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

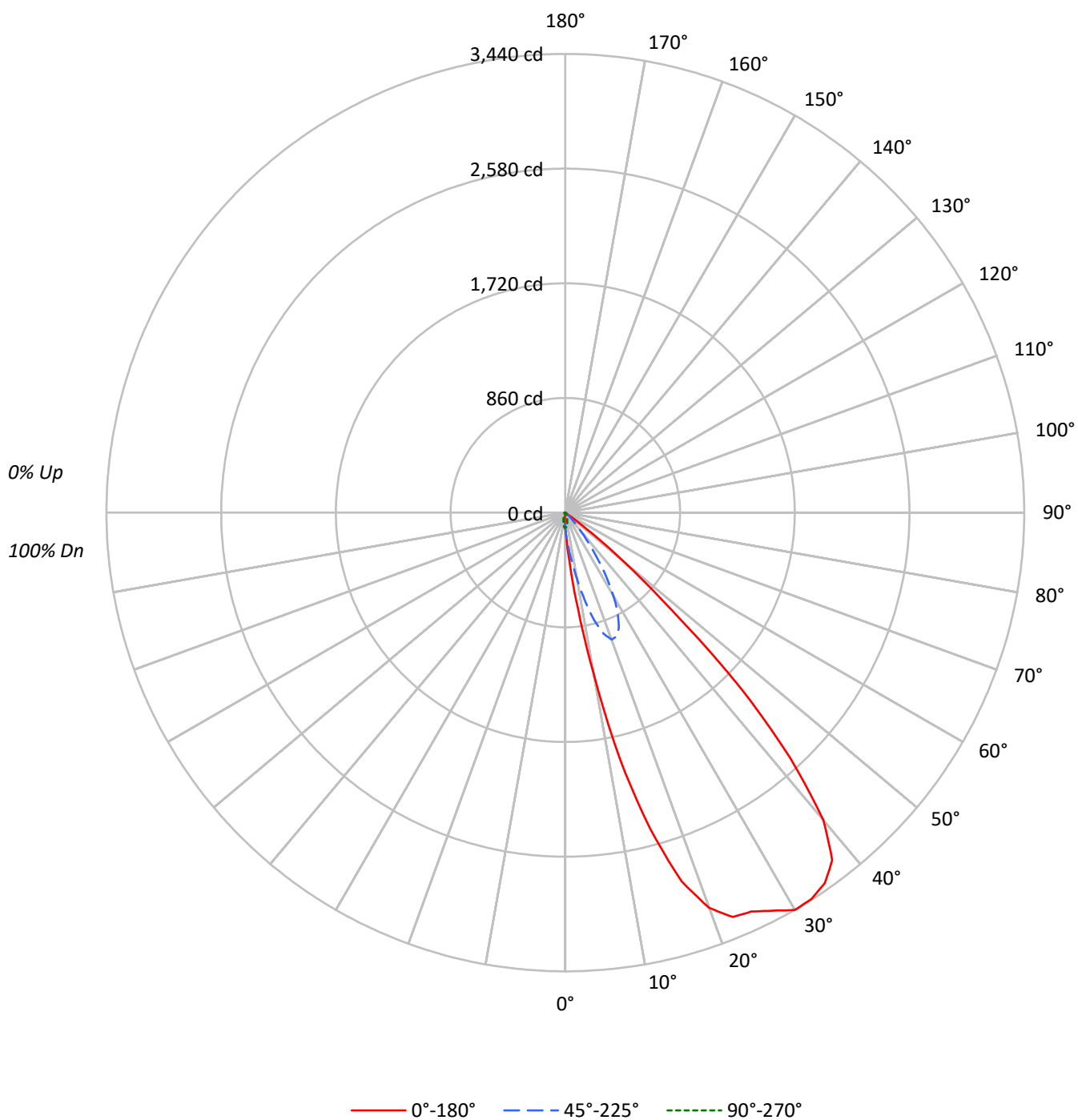
Lumens per Lamp: N/A
Luminaire Lumens: 1082.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1345443

CATALOG NUMBER: P3A13R359030DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1345443

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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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	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°	24910	24910	24910	24910	24910
5°	84878	55162	23311	9839	7264
10°	273141	111799	18392	3674	2382
15°	556530	189627	13008	1317	885
20°	735927	236177	8377	443	443
25°	798530	229586	4694	242	460
30°	871071	182965	1975	253	481
35°	907664	113876	509	268	509
40°	861328	49779	286	544	830
45°	575005	19878	310	899	1520
50°	192847	3309	648	1330	1979
55°	10781	382	726	1873	2600
60°	833	439	1272	2149	2982
65°	986	519	1505	2542	3528
70°	641	641	1859	3142	3719
75°	847	847	2457	3304	4151
80°	0	1263	3662	3662	3662
85°	0	2516	7296	2516	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 575005 cd/sqm

TEST NUMBER: P1345443

CATALOG NUMBER: P3A13R359030DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	1.8
10°-20°	155.4	14.4
20°-30°	328.0	30.3
30°-40°	372.1	34.4
40°-50°	183.2	16.9
50°-60°	15.9	1.5
60°-70°	3.2	0.3
70°-80°	3.0	0.3
80°-90°	1.5	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°	503.1	46.5
0°-40°	875.3	80.9
0°-60°	1074.3	99.3
0°-90°	1082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1082.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	114	114	114	114	114	
5°	386	251	106	45	33	63
15°	2452	835	57	6	4	697
25°	3300	949	19	1	2	1536
35°	3391	425	2	1	2	2090
45°	1854	64	1	3	5	1370
55°	28	1	2	5	7	110
65°	2	1	3	5	7	2
75°	1	1	3	4	5	1
85°	0	1	3	1	2	0
90°	0	0	0	0	0	

TEST NUMBER: P1345443

CATALOG NUMBER: P3A13R359030DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6
2.5°	197.2	202.0	200.1	199.1	198.1	194.3	185.5	184.5	175.8	170.0	140.8
5°	385.6	377.8	379.8	369.1	355.5	336.1	323.4	296.2	273.9	250.6	164.1
7.5°	726.5	715.8	695.4	664.3	632.3	590.5	527.4	476.9	418.6	363.3	182.6
10°	1226.7	1220.9	1194.7	1115.0	1045.1	933.4	828.5	717.8	609.0	502.1	195.2
12.5°	1895.0	1855.1	1807.5	1701.7	1563.7	1423.9	1217.0	1025.7	851.8	673.1	196.2
15°	2451.5	2426.2	2359.2	2221.3	2055.2	1853.2	1607.5	1350.1	1087.8	835.3	186.5
17.5°	2899.2	2860.4	2774.0	2638.9	2447.6	2185.4	1897.9	1584.1	1264.6	950.9	170.0
20°	3153.7	3133.3	3067.3	2932.3	2723.4	2436.9	2109.6	1744.4	1375.3	1012.1	148.6
22.5°	3281.9	3267.4	3218.8	3111.0	2915.8	2627.3	2252.4	1827.9	1407.4	1005.3	126.3
25°	3300.4	3296.5	3254.7	3173.1	3010.0	2724.4	2314.5	1843.5	1381.1	948.9	104.9
27.5°	3364.5	3350.9	3301.4	3219.8	3055.6	2740.9	2293.2	1790.1	1296.6	849.9	87.4
30°	3440.2	3430.5	3381.0	3296.5	3102.2	2725.4	2217.4	1671.6	1161.6	722.6	65.1
32.5°	3434.4	3430.5	3388.8	3299.4	3069.2	2634.1	2082.4	1493.8	978.1	570.1	40.8
35°	3390.7	3377.1	3324.7	3186.7	2880.8	2399.0	1826.0	1252.9	774.1	425.4	26.2
37.5°	3285.8	3256.7	3168.3	2934.2	2543.8	2036.8	1487.0	967.4	547.8	284.6	16.5
40°	3009.0	2972.1	2794.3	2511.7	2102.8	1604.5	1106.3	665.3	361.3	173.9	6.8
42.5°	2496.2	2421.4	2243.6	1953.2	1569.6	1134.4	726.5	431.2	212.7	104.9	1.9
45°	1854.2	1796.9	1610.4	1347.2	1028.6	727.5	440.0	233.1	117.5	64.1	1.0
47.5°	1080.1	1045.1	948.9	776.0	568.2	381.7	225.3	125.3	69.0	31.1	1.0
50°	565.3	521.6	448.7	339.9	250.6	175.8	109.8	67.0	34.0	9.7	1.0
52.5°	198.1	195.2	177.7	134.0	108.8	78.7	53.4	29.1	9.7	1.9	1.0
55°	28.2	28.2	26.2	29.1	31.1	28.2	18.5	7.8	1.9	1.0	1.0
57.5°	1.9	1.9	1.9	2.9	3.9	3.9	2.9	1.0	1.0	1.0	1.9
60°	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
62.5°	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
65°	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9
77.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.9
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: P1345443

CATALOG NUMBER: P3A13R359030DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	113.6	113.6	113.6	113.6	113.6
2.5°	112.7	90.3	71.9	63.1	60.2
5°	105.9	68.0	44.7	35.0	33.0
7.5°	94.2	48.6	27.2	19.4	18.5
10°	82.6	35.0	16.5	11.7	10.7
12.5°	69.0	24.3	10.7	6.8	5.8
15°	57.3	16.5	5.8	4.9	3.9
17.5°	45.6	10.7	3.9	2.9	3.9
20°	35.9	6.8	1.9	1.9	1.9
22.5°	27.2	3.9	1.9	1.9	1.9
25°	19.4	1.9	1.0	1.0	1.9
27.5°	13.6	1.0	1.0	1.0	1.9
30°	7.8	1.0	1.0	1.0	1.9
32.5°	3.9	1.0	1.0	1.9	1.9
35°	1.9	1.0	1.0	1.9	1.9
37.5°	1.0	1.0	1.0	1.9	2.9
40°	1.0	1.0	1.9	2.9	2.9
42.5°	1.0	1.0	1.9	2.9	3.9
45°	1.0	1.9	2.9	3.9	4.9
47.5°	1.9	1.9	3.9	4.9	5.8
50°	1.9	2.9	3.9	5.8	5.8
52.5°	1.9	2.9	4.9	5.8	6.8
55°	1.9	3.9	4.9	6.8	6.8
57.5°	2.9	3.9	4.9	6.8	6.8
60°	2.9	3.9	4.9	6.8	6.8
62.5°	2.9	3.9	4.9	6.8	6.8
65°	2.9	3.9	4.9	6.8	6.8
67.5°	2.9	3.9	4.9	5.8	6.8
70°	2.9	3.9	4.9	5.8	5.8
72.5°	3.9	3.9	4.9	5.8	5.8
75°	2.9	3.9	3.9	4.9	4.9
77.5°	2.9	2.9	2.9	3.9	3.9
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	1.9	1.9	2.9	2.9
85°	2.9	1.9	1.0	1.9	1.9
87.5°	1.9	1.9	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)