

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: P1345539

Luminaire Tested: P3A13R359735DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345539
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: P3A13R359735DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

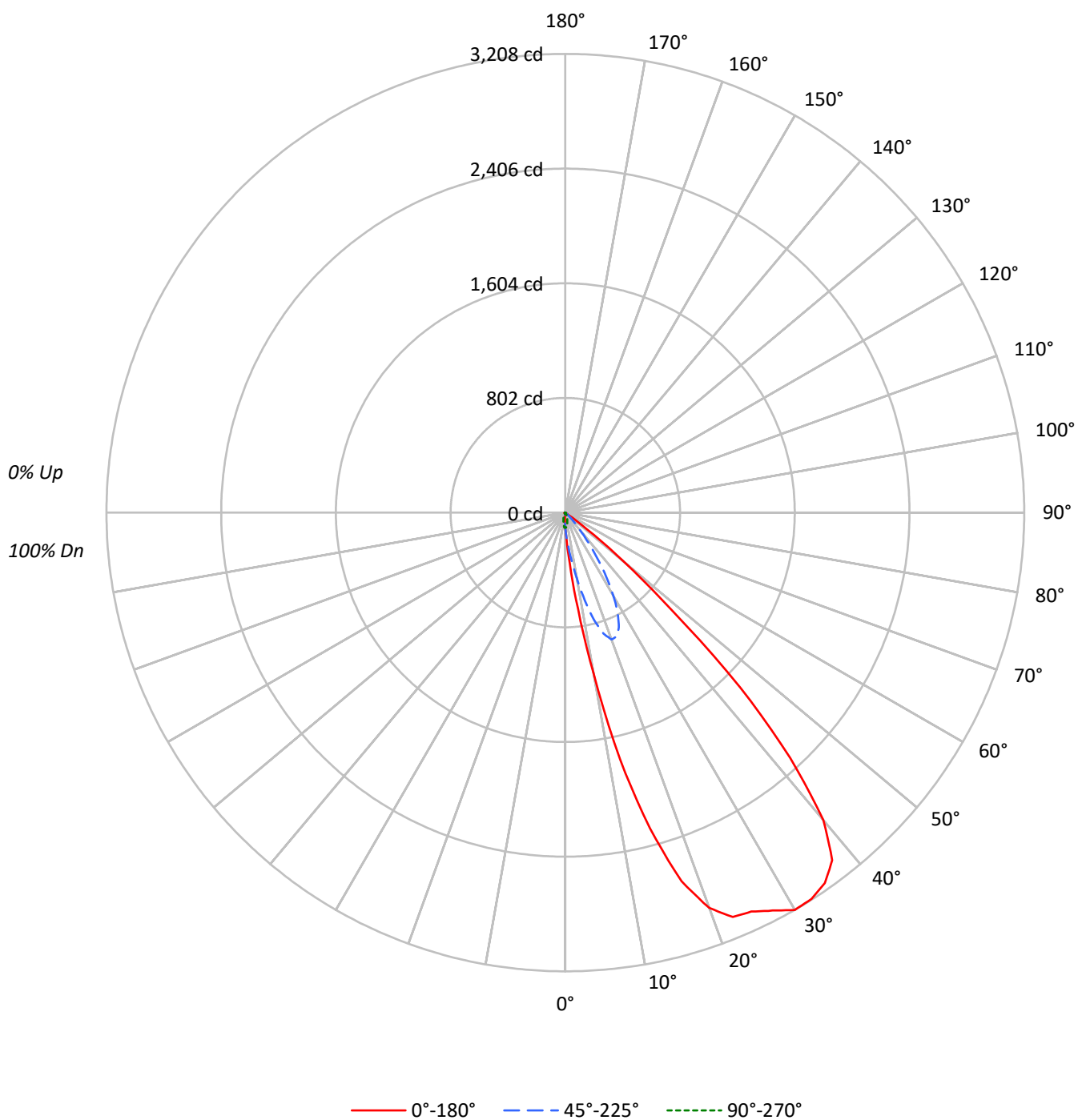
Lumens per Lamp: N/A
Luminaire Lumens: 1008.9 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	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	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°	23244	23244	23244	23244	23244
5°	79155	51442	21726	9179	6780
10°	254727	104273	17145	3429	2227
15°	518981	176823	12123	1226	817
20°	686270	220239	7817	420	420
25°	744648	214101	4379	218	436
30°	812302	170634	1823	228	456
35°	846416	106194	482	241	482
40°	803219	46401	258	515	773
45°	536211	18545	279	837	1395
50°	179815	3104	614	1228	1842
55°	10055	344	688	1720	2409
60°	789	395	1184	1974	2763
65°	934	467	1401	2335	3269
70°	577	577	1731	2885	3462
75°	763	763	2288	3050	3813
80°	0	1137	3410	3410	3410
85°	0	2264	6793	2264	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 536211 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	1.8
10°-20°	144.9	14.4
20°-30°	305.9	30.3
30°-40°	347.0	34.4
40°-50°	170.8	16.9
50°-60°	14.8	1.5
60°-70°	3.0	0.3
70°-80°	2.8	0.3
80°-90°	1.4	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°	469.2	46.5
0°-40°	816.2	80.9
0°-60°	1001.8	99.3
0°-90°	1008.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1008.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	106	106	106	106	106	
5°	360	234	99	42	31	59
15°	2286	779	53	5	4	650
25°	3078	885	18	1	2	1432
35°	3162	397	2	1	2	1949
45°	1729	60	1	3	4	1278
55°	26	1	2	4	6	103
65°	2	1	3	4	6	1
75°	1	1	3	4	4	1
85°	0	1	3	1	2	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°	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	183.9	188.4	186.6	185.7	184.8	181.1	173.0	172.1	163.9	158.5	131.3
5°	359.6	352.3	354.1	344.2	331.5	313.4	301.6	276.3	255.4	233.7	153.1
7.5°	677.5	667.5	648.5	619.5	589.6	550.7	491.8	444.7	390.4	338.7	170.3
10°	1144.0	1138.5	1114.1	1039.8	974.6	870.4	772.6	669.3	567.9	468.3	182.1
12.5°	1767.1	1730.0	1685.6	1586.9	1458.2	1327.8	1134.9	956.5	794.3	627.7	183.0
15°	2286.1	2262.5	2200.0	2071.4	1916.5	1728.2	1499.0	1259.0	1014.4	778.9	173.9
17.5°	2703.6	2667.4	2586.8	2460.9	2282.5	2037.9	1769.8	1477.3	1179.3	886.7	158.5
20°	2940.9	2921.9	2860.3	2734.4	2539.7	2272.5	1967.3	1626.7	1282.5	943.8	138.6
22.5°	3060.5	3046.9	3001.6	2901.1	2719.0	2450.0	2100.4	1704.6	1312.4	937.4	117.7
25°	3077.7	3074.1	3035.1	2959.1	2806.9	2540.6	2158.4	1719.1	1288.0	884.9	97.8
27.5°	3137.5	3124.8	3078.6	3002.5	2849.5	2556.0	2138.5	1669.3	1209.2	792.5	81.5
30°	3208.1	3199.1	3152.9	3074.1	2892.9	2541.5	2067.8	1558.8	1083.3	673.9	60.7
32.5°	3202.7	3199.1	3160.1	3076.8	2862.1	2456.4	1941.9	1393.0	912.1	531.7	38.0
35°	3161.9	3149.3	3100.4	2971.7	2686.4	2237.2	1702.8	1168.4	721.9	396.7	24.5
37.5°	3064.1	3037.0	2954.5	2736.2	2372.1	1899.3	1386.7	902.1	510.8	265.4	15.4
40°	2806.0	2771.6	2605.8	2342.2	1960.9	1496.3	1031.6	620.4	336.9	162.1	6.3
42.5°	2327.8	2258.0	2092.3	1821.4	1463.7	1057.9	677.5	402.1	198.4	97.8	1.8
45°	1729.1	1675.6	1501.7	1256.3	959.2	678.4	410.3	217.4	109.6	59.8	0.9
47.5°	1007.2	974.6	884.9	723.7	529.9	356.0	210.1	116.8	64.3	29.0	0.9
50°	527.1	486.4	418.5	317.0	233.7	163.9	102.3	62.5	31.7	9.1	0.9
52.5°	184.8	182.1	165.8	125.0	101.4	73.4	49.8	27.2	9.1	1.8	0.9
55°	26.3	26.3	24.5	27.2	29.0	26.3	17.2	7.2	1.8	0.9	0.9
57.5°	1.8	1.8	1.8	2.7	3.6	3.6	2.7	0.9	0.9	0.9	1.8
60°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
62.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
65°	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
77.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
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°	106.0	106.0	106.0	106.0	106.0
2.5°	105.1	84.2	67.0	58.9	56.2
5°	98.7	63.4	41.7	32.6	30.8
7.5°	87.9	45.3	25.4	18.1	17.2
10°	77.0	32.6	15.4	10.9	10.0
12.5°	64.3	22.6	10.0	6.3	5.4
15°	53.4	15.4	5.4	4.5	3.6
17.5°	42.6	10.0	3.6	2.7	3.6
20°	33.5	6.3	1.8	1.8	1.8
22.5°	25.4	3.6	1.8	1.8	1.8
25°	18.1	1.8	0.9	0.9	1.8
27.5°	12.7	0.9	0.9	0.9	1.8
30°	7.2	0.9	0.9	0.9	1.8
32.5°	3.6	0.9	0.9	1.8	1.8
35°	1.8	0.9	0.9	1.8	1.8
37.5°	0.9	0.9	0.9	1.8	2.7
40°	0.9	0.9	1.8	2.7	2.7
42.5°	0.9	0.9	1.8	2.7	3.6
45°	0.9	1.8	2.7	3.6	4.5
47.5°	1.8	1.8	3.6	4.5	5.4
50°	1.8	2.7	3.6	5.4	5.4
52.5°	1.8	2.7	4.5	5.4	6.3
55°	1.8	3.6	4.5	6.3	6.3
57.5°	2.7	3.6	4.5	6.3	6.3
60°	2.7	3.6	4.5	6.3	6.3
62.5°	2.7	3.6	4.5	6.3	6.3
65°	2.7	3.6	4.5	6.3	6.3
67.5°	2.7	3.6	4.5	5.4	6.3
70°	2.7	3.6	4.5	5.4	5.4
72.5°	3.6	3.6	4.5	5.4	5.4
75°	2.7	3.6	3.6	4.5	4.5
77.5°	2.7	2.7	2.7	3.6	3.6
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	1.8	1.8	2.7	2.7
85°	2.7	1.8	0.9	1.8	1.8
87.5°	1.8	1.8	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)