

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: P1345459

Luminaire Tested: P3A13R359035DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345459
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: P3A13R359035DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

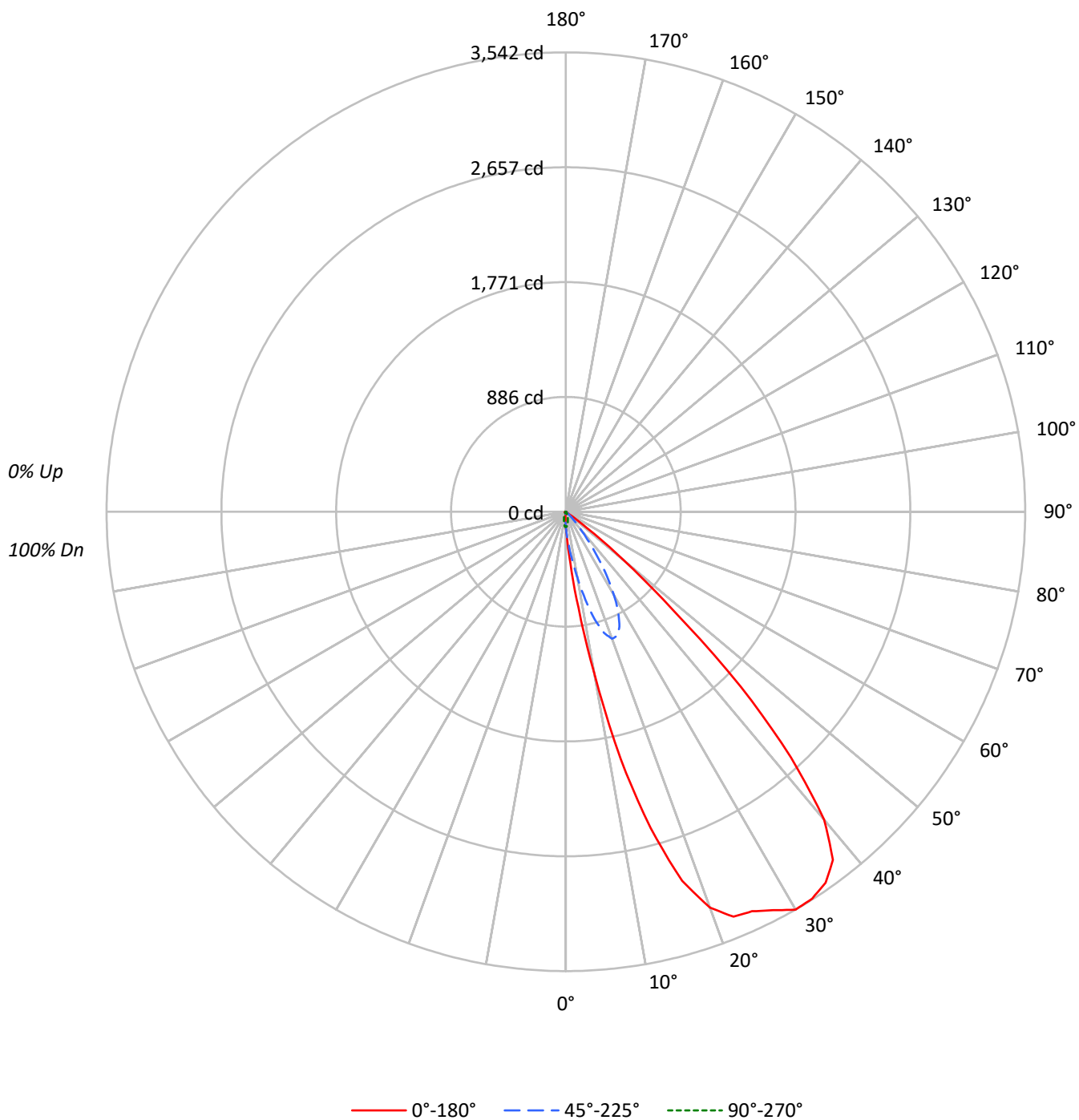
Lumens per Lamp: N/A
Luminaire Lumens: 1114.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	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°	25656	25656	25656	25656	25656
5°	87387	56791	23993	10125	7484
10°	281224	115117	18926	3785	2449
15°	572989	195234	13394	1362	908
20°	757699	243154	8634	467	467
25°	822144	236385	4839	242	484
30°	896847	188383	2026	253	506
35°	934514	117249	535	268	535
40°	886804	51239	286	573	859
45°	591999	20467	310	930	1551
50°	198544	3411	682	1365	2047
55°	11087	382	765	1912	2676
60°	877	439	1316	2193	3070
65°	1038	519	1557	2594	3632
70°	641	641	1923	3206	3847
75°	847	847	2542	3389	4236
80°	0	1263	3788	3788	3788
85°	0	2516	7548	2516	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 591999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	1.8
10°-20°	160.0	14.4
20°-30°	337.7	30.3
30°-40°	383.1	34.4
40°-50°	188.6	16.9
50°-60°	16.3	1.5
60°-70°	3.3	0.3
70°-80°	3.1	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°	518.0	46.5
0°-40°	901.1	80.9
0°-60°	1106.1	99.3
0°-90°	1114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	117	117	117	117	117	
5°	397	258	109	46	34	65
15°	2524	860	59	6	4	718
25°	3398	977	20	1	2	1581
35°	3491	438	2	1	2	2152
45°	1909	66	1	3	5	1410
55°	29	1	2	5	7	114
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	117	117	117	117	117	117	117	117	117	117	117
2.5°	203	208	206	205	204	200	191	190	181	175	145
5°	397	389	391	380	366	346	333	305	282	258	169
7.5°	748	737	716	684	651	608	543	491	431	374	188
10°	1263	1257	1230	1148	1076	961	853	739	627	517	201
12.5°	1951	1910	1861	1752	1610	1466	1253	1056	877	693	202
15°	2524	2498	2429	2287	2116	1908	1655	1390	1120	860	192
17.5°	2985	2945	2856	2717	2520	2250	1954	1631	1302	979	175
20°	3247	3226	3158	3019	2804	2509	2172	1796	1416	1042	153
22.5°	3379	3364	3314	3203	3002	2705	2319	1882	1449	1035	130
25°	3398	3394	3351	3267	3099	2805	2383	1898	1422	977	108
27.5°	3464	3450	3399	3315	3146	2822	2361	1843	1335	875	90
30°	3542	3532	3481	3394	3194	2806	2283	1721	1196	744	67
32.5°	3536	3532	3489	3397	3160	2712	2144	1538	1007	587	42
35°	3491	3477	3423	3281	2966	2470	1880	1290	797	438	27
37.5°	3383	3353	3262	3021	2619	2097	1531	996	564	293	17
40°	3098	3060	2877	2586	2165	1652	1139	685	372	179	7
42.5°	2570	2493	2310	2011	1616	1168	748	444	219	108	2
45°	1909	1850	1658	1387	1059	749	453	240	121	66	1
47.5°	1112	1076	977	799	585	393	232	129	71	32	1
50°	582	537	462	350	258	181	113	69	35	10	1
52.5°	204	201	183	138	112	81	55	30	10	2	1
55°	29	29	27	30	32	29	19	8	2	1	1
57.5°	2	2	2	3	4	4	3	1	1	1	2
60°	2	2	1	1	1	1	1	1	1	1	2
62.5°	2	2	1	1	1	1	1	1	1	1	2
65°	2	1	1	1	1	1	1	1	1	1	2
67.5°	1	1	1	1	1	1	1	1	1	1	2
70°	1	1	1	1	1	1	1	1	1	1	3
72.5°	1	1	1	1	1	1	1	1	1	1	3
75°	1	1	1	1	1	1	1	1	1	1	3
77.5°	0	1	1	1	1	1	1	1	1	1	3
80°	0	0	0	0	0	0	1	1	1	1	2
82.5°	0	0	0	0	0	0	1	1	1	1	2
85°	0	0	0	0	0	0	0	1	1	1	2
87.5°	0	0	0	0	0	0	0	0	1	1	2
90°	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°	117	117	117	117	117
2.5°	116	93	74	65	62
5°	109	70	46	36	34
7.5°	97	50	28	20	19
10°	85	36	17	12	11
12.5°	71	25	11	7	6
15°	59	17	6	5	4
17.5°	47	11	4	3	4
20°	37	7	2	2	2
22.5°	28	4	2	2	2
25°	20	2	1	1	2
27.5°	14	1	1	1	2
30°	8	1	1	1	2
32.5°	4	1	1	2	2
35°	2	1	1	2	2
37.5°	1	1	1	2	3
40°	1	1	2	3	3
42.5°	1	1	2	3	4
45°	1	2	3	4	5
47.5°	2	2	4	5	6
50°	2	3	4	6	6
52.5°	2	3	5	6	7
55°	2	4	5	7	7
57.5°	3	4	5	7	7
60°	3	4	5	7	7
62.5°	3	4	5	7	7
65°	3	4	5	7	7
67.5°	3	4	5	6	7
70°	3	4	5	6	6
72.5°	4	4	5	6	6
75°	3	4	4	5	5
77.5°	3	3	3	4	4
80°	3	3	3	3	3
82.5°	3	2	2	3	3
85°	3	2	1	2	2
87.5°	2	2	1	1	1
90°	0	0	0	0	0

(END OF REPORT)