

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: P1345479

Luminaire Tested: P3A13R359050DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345479
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: P3A13R359050DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

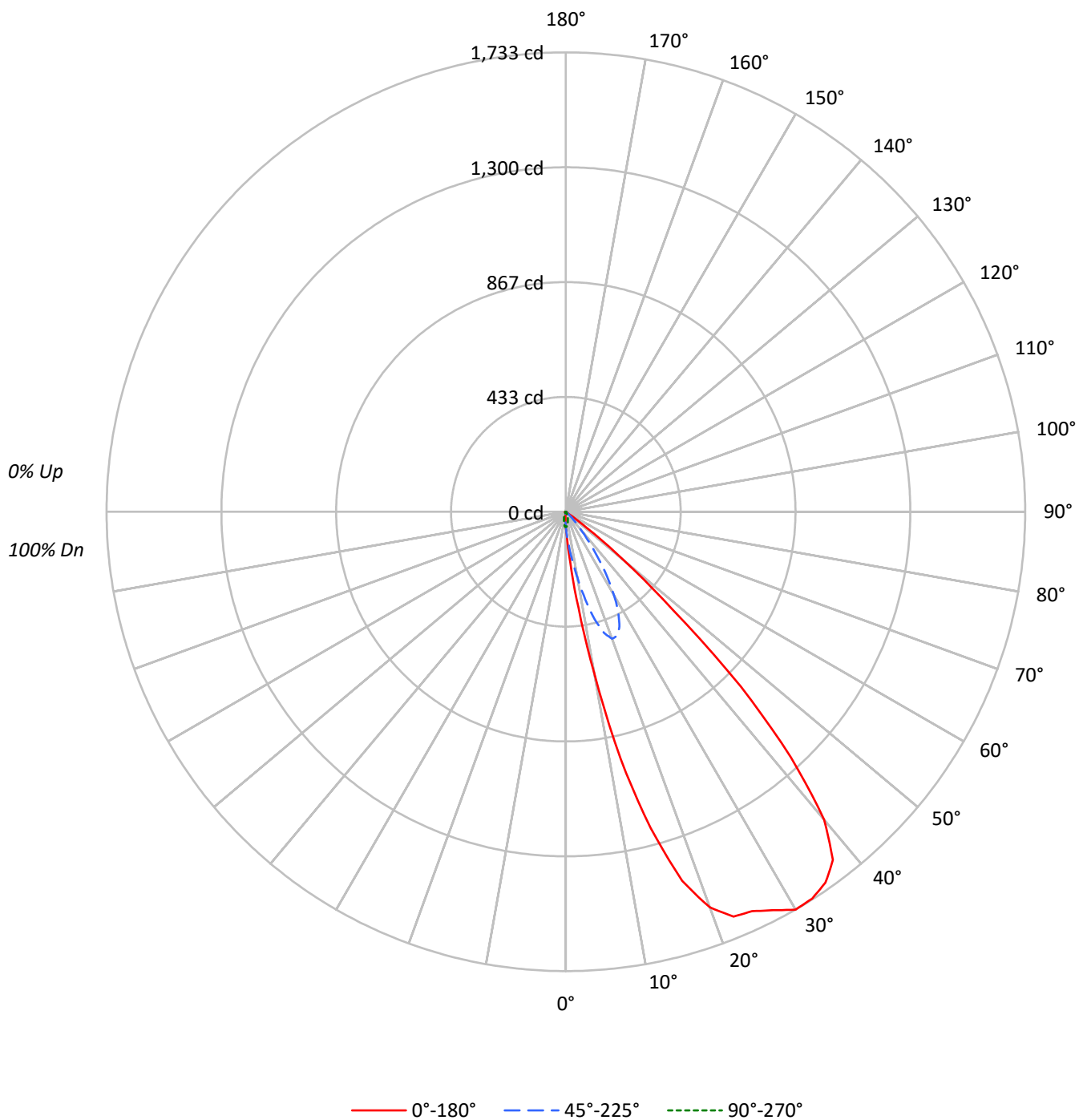
Lumens per Lamp: N/A
Luminaire Lumens: 545.1 lumens
Efficiency: N/A
Efficacy: 37.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12543	12543	12543	12543	12543
5°	42747	27779	11732	4953	3654
10°	137584	56312	9263	1848	1202
15°	280319	95506	6561	658	454
20°	370682	118964	4224	233	233
25°	402217	115652	2371	121	242
30°	438751	92166	987	127	253
35°	457192	57366	268	134	268
40°	433841	25076	143	286	429
45°	289611	10017	155	465	744
50°	97123	1672	341	682	989
55°	5429	191	382	918	1300
60°	439	219	658	1053	1491
65°	519	259	778	1245	1764
70°	321	321	962	1539	1859
75°	424	424	1271	1694	2033
80°	0	631	1894	1894	1894
85°	0	1258	3774	1258	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 289611 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	1.8
10°-20°	78.3	14.4
20°-30°	165.2	30.3
30°-40°	187.5	34.4
40°-50°	92.3	16.9
50°-60°	8.0	1.5
60°-70°	1.6	0.3
70°-80°	1.5	0.3
80°-90°	0.8	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°	253.4	46.5
0°-40°	440.9	80.9
0°-60°	541.1	99.3
0°-90°	545.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	57	57	57	57	57	
5°	194	126	53	22	17	32
15°	1235	421	29	3	2	351
25°	1662	478	10	0	1	774
35°	1708	214	1	0	1	1053
45°	934	32	0	2	2	690
55°	14	0	1	2	3	56
65°	1	0	2	2	3	1
75°	0	0	2	2	2	0
85°	0	0	2	0	1	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°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
2.5°	99.3	101.8	100.8	100.3	99.8	97.8	93.4	93.0	88.5	85.6	70.9
5°	194.2	190.3	191.3	185.9	179.1	169.3	162.9	149.2	138.0	126.2	82.7
7.5°	365.9	360.6	350.3	334.6	318.5	297.4	265.6	240.2	210.9	183.0	92.0
10°	617.9	615.0	601.7	561.6	526.4	470.1	417.3	361.5	306.7	252.9	98.3
12.5°	954.5	934.4	910.5	857.1	787.7	717.2	613.0	516.6	429.1	339.0	98.8
15°	1234.8	1222.1	1188.3	1118.9	1035.2	933.4	809.7	680.0	547.9	420.7	93.9
17.5°	1460.3	1440.8	1397.2	1329.2	1232.9	1100.8	955.9	797.9	637.0	479.0	85.6
20°	1588.5	1578.2	1545.0	1477.0	1371.8	1227.5	1062.6	878.7	692.7	509.8	74.9
22.5°	1653.1	1645.8	1621.3	1567.0	1468.7	1323.4	1134.5	920.7	708.9	506.3	63.6
25°	1662.4	1660.4	1639.4	1598.3	1516.1	1372.3	1165.8	928.6	695.7	478.0	52.8
27.5°	1694.7	1687.8	1662.9	1621.8	1539.1	1380.6	1155.1	901.6	653.1	428.1	44.0
30°	1732.8	1727.9	1703.0	1660.4	1562.6	1372.8	1116.9	842.0	585.1	364.0	32.8
32.5°	1729.9	1727.9	1706.9	1661.9	1546.0	1326.8	1048.9	752.4	492.7	287.2	20.5
35°	1707.9	1701.0	1674.6	1605.2	1451.0	1208.4	919.7	631.1	389.9	214.3	13.2
37.5°	1655.1	1640.4	1595.9	1478.0	1281.3	1025.9	749.0	487.3	275.9	143.3	8.3
40°	1515.6	1497.0	1407.5	1265.1	1059.2	808.2	557.2	335.1	182.0	87.6	3.4
42.5°	1257.3	1219.6	1130.1	983.8	790.6	571.4	365.9	217.2	107.1	52.8	1.0
45°	933.9	905.1	811.1	678.6	518.1	366.4	221.6	117.4	59.2	32.3	0.5
47.5°	544.0	526.4	478.0	390.9	286.2	192.3	113.5	63.1	34.7	15.7	0.5
50°	284.7	262.7	226.0	171.2	126.2	88.5	55.3	33.8	17.1	4.9	0.5
52.5°	99.8	98.3	89.5	67.5	54.8	39.6	26.9	14.7	4.9	1.0	0.5
55°	14.2	14.2	13.2	14.7	15.7	14.2	9.3	3.9	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.5	2.0	2.0	1.5	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	57.2	57.2	57.2	57.2	57.2
2.5°	56.8	45.5	36.2	31.8	30.3
5°	53.3	34.2	22.5	17.6	16.6
7.5°	47.5	24.5	13.7	9.8	9.3
10°	41.6	17.6	8.3	5.9	5.4
12.5°	34.7	12.2	5.4	3.4	2.9
15°	28.9	8.3	2.9	2.4	2.0
17.5°	23.0	5.4	2.0	1.5	2.0
20°	18.1	3.4	1.0	1.0	1.0
22.5°	13.7	2.0	1.0	1.0	1.0
25°	9.8	1.0	0.5	0.5	1.0
27.5°	6.8	0.5	0.5	0.5	1.0
30°	3.9	0.5	0.5	0.5	1.0
32.5°	2.0	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.5
40°	0.5	0.5	1.0	1.5	1.5
42.5°	0.5	0.5	1.0	1.5	2.0
45°	0.5	1.0	1.5	2.0	2.4
47.5°	1.0	1.0	2.0	2.4	2.9
50°	1.0	1.5	2.0	2.9	2.9
52.5°	1.0	1.5	2.4	2.9	3.4
55°	1.0	2.0	2.4	3.4	3.4
57.5°	1.5	2.0	2.4	3.4	3.4
60°	1.5	2.0	2.4	3.4	3.4
62.5°	1.5	2.0	2.4	3.4	3.4
65°	1.5	2.0	2.4	3.4	3.4
67.5°	1.5	2.0	2.4	2.9	3.4
70°	1.5	2.0	2.4	2.9	2.9
72.5°	2.0	2.0	2.4	2.9	2.9
75°	1.5	2.0	2.0	2.4	2.4
77.5°	1.5	1.5	1.5	2.0	2.0
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.0	1.0	1.5	1.5
85°	1.5	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)