

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: P1345431

Luminaire Tested: P3A13R359030DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345431
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 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

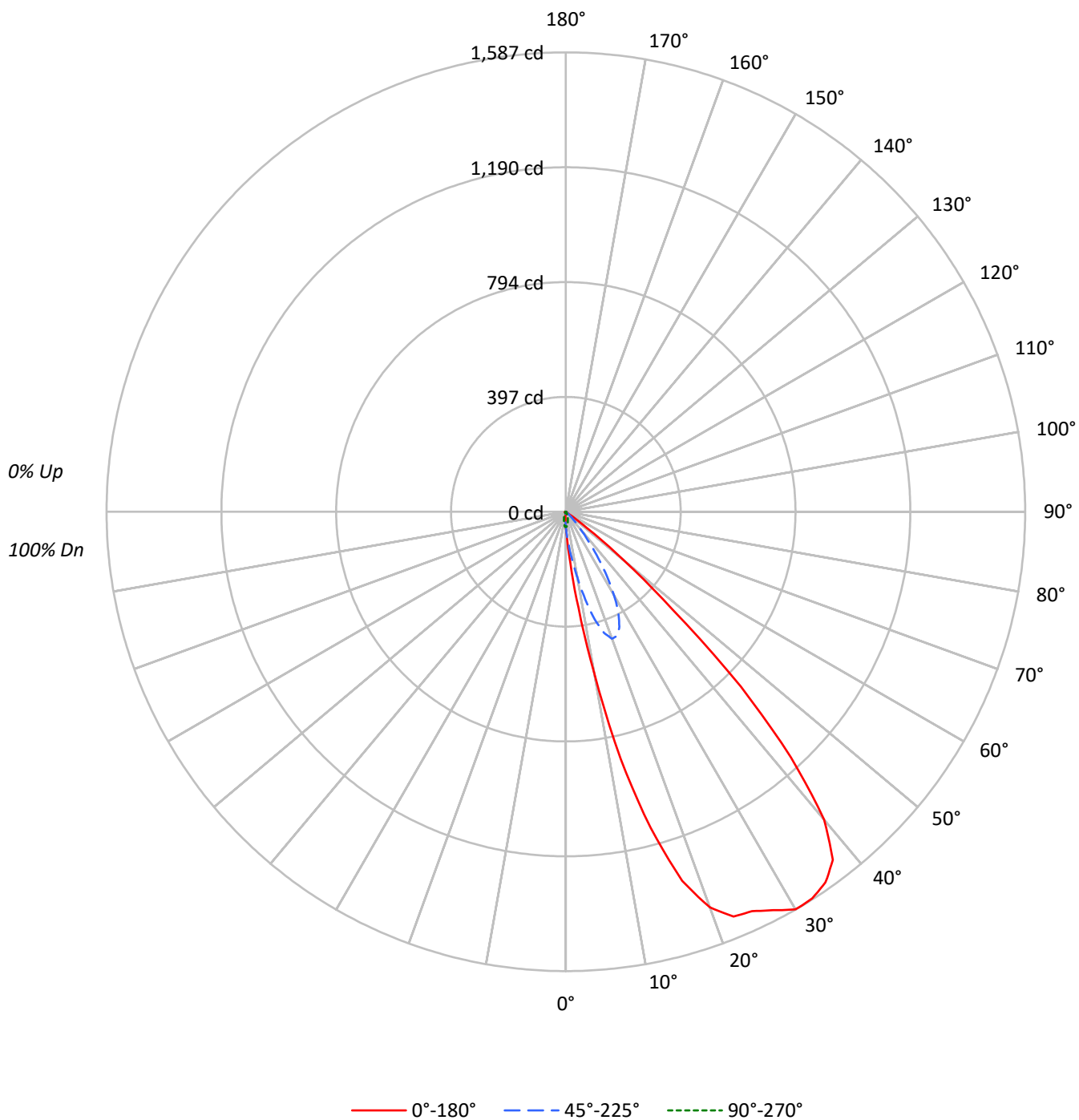
Lumens per Lamp: N/A
Luminaire Lumens: 498.9 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	51	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°	11490	11490	11490	11490	11490
5°	39137	25446	10742	4534	3346
10°	125961	51569	8483	1692	1091
15°	256664	87447	5993	613	409
20°	339390	108906	3874	210	210
25°	368271	105877	2178	97	218
30°	401733	84393	912	101	228
35°	418590	52521	241	107	241
40°	397230	22957	115	258	372
45°	265175	9179	124	403	682
50°	88935	1535	307	614	921
55°	4970	153	344	841	1185
60°	395	175	570	965	1360
65°	467	208	675	1141	1608
70°	256	256	833	1410	1731
75°	339	339	1101	1525	1864
80°	0	505	1642	1642	1642
85°	0	1006	3271	1006	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 265175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	1.8
10°-20°	71.7	14.4
20°-30°	151.3	30.3
30°-40°	171.6	34.4
40°-50°	84.5	16.9
50°-60°	7.3	1.5
60°-70°	1.5	0.3
70°-80°	1.4	0.3
80°-90°	0.7	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°	232.0	46.5
0°-40°	403.6	80.9
0°-60°	495.4	99.3
0°-90°	498.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	178	116	49	21	15	29
15°	1131	385	26	3	2	321
25°	1522	438	9	0	1	708
35°	1564	196	1	0	1	964
45°	855	30	0	1	2	632
55°	13	0	1	2	3	51
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	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°	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
2.5°	90.9	93.2	92.3	91.8	91.4	89.6	85.6	85.1	81.1	78.4	65.0
5°	177.8	174.2	175.1	170.2	163.9	155.0	149.2	136.6	126.3	115.6	75.7
7.5°	335.1	330.1	320.7	306.4	291.6	272.3	243.2	219.9	193.1	167.5	84.2
10°	565.7	563.1	551.0	514.2	482.0	430.5	382.1	331.0	280.9	231.6	90.0
12.5°	873.9	855.6	833.6	784.8	721.2	656.7	561.3	473.0	392.8	310.4	90.5
15°	1130.6	1118.9	1088.0	1024.4	947.8	854.7	741.3	622.6	501.7	385.2	86.0
17.5°	1337.1	1319.2	1279.3	1217.0	1128.8	1007.9	875.3	730.6	583.2	438.5	78.4
20°	1454.4	1445.0	1414.6	1352.3	1256.0	1123.9	972.9	804.5	634.3	466.7	68.5
22.5°	1513.6	1506.8	1484.5	1434.7	1344.7	1211.7	1038.8	843.0	649.1	463.6	58.2
25°	1522.1	1520.3	1501.0	1463.4	1388.1	1256.5	1067.4	850.2	637.0	437.6	48.4
27.5°	1551.6	1545.4	1522.5	1484.9	1409.2	1264.1	1057.6	825.5	598.0	391.9	40.3
30°	1586.6	1582.1	1559.3	1520.3	1430.7	1256.9	1022.6	770.9	535.7	333.3	30.0
32.5°	1583.9	1582.1	1562.8	1521.6	1415.5	1214.8	960.4	688.9	451.1	262.9	18.8
35°	1563.7	1557.5	1533.3	1469.7	1328.6	1106.4	842.1	577.8	357.0	196.2	12.1
37.5°	1515.4	1501.9	1461.2	1353.2	1173.1	939.3	685.8	446.1	252.6	131.2	7.6
40°	1387.7	1370.7	1288.7	1158.4	969.8	740.0	510.2	306.8	166.6	80.2	3.1
42.5°	1151.2	1116.7	1034.7	900.8	723.9	523.2	335.1	198.9	98.1	48.4	0.9
45°	855.1	828.7	742.7	621.3	474.4	335.5	202.9	107.5	54.2	29.6	0.4
47.5°	498.1	482.0	437.6	357.9	262.0	176.0	103.9	57.8	31.8	14.3	0.4
50°	260.7	240.5	206.9	156.8	115.6	81.1	50.6	30.9	15.7	4.5	0.4
52.5°	91.4	90.0	82.0	61.8	50.2	36.3	24.6	13.4	4.5	0.9	0.4
55°	13.0	13.0	12.1	13.4	14.3	13.0	8.5	3.6	0.9	0.4	0.4
57.5°	0.9	0.9	0.9	1.3	1.8	1.8	1.3	0.4	0.4	0.4	0.9
60°	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
62.5°	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
65°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
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°	52.4	52.4	52.4	52.4	52.4
2.5°	52.0	41.7	33.1	29.1	27.8
5°	48.8	31.4	20.6	16.1	15.2
7.5°	43.4	22.4	12.5	9.0	8.5
10°	38.1	16.1	7.6	5.4	4.9
12.5°	31.8	11.2	4.9	3.1	2.7
15°	26.4	7.6	2.7	2.2	1.8
17.5°	21.1	4.9	1.8	1.3	1.8
20°	16.6	3.1	0.9	0.9	0.9
22.5°	12.5	1.8	0.9	0.9	0.9
25°	9.0	0.9	0.4	0.4	0.9
27.5°	6.3	0.4	0.4	0.4	0.9
30°	3.6	0.4	0.4	0.4	0.9
32.5°	1.8	0.4	0.4	0.9	0.9
35°	0.9	0.4	0.4	0.9	0.9
37.5°	0.4	0.4	0.4	0.9	1.3
40°	0.4	0.4	0.9	1.3	1.3
42.5°	0.4	0.4	0.9	1.3	1.8
45°	0.4	0.9	1.3	1.8	2.2
47.5°	0.9	0.9	1.8	2.2	2.7
50°	0.9	1.3	1.8	2.7	2.7
52.5°	0.9	1.3	2.2	2.7	3.1
55°	0.9	1.8	2.2	3.1	3.1
57.5°	1.3	1.8	2.2	3.1	3.1
60°	1.3	1.8	2.2	3.1	3.1
62.5°	1.3	1.8	2.2	3.1	3.1
65°	1.3	1.8	2.2	3.1	3.1
67.5°	1.3	1.8	2.2	2.7	3.1
70°	1.3	1.8	2.2	2.7	2.7
72.5°	1.8	1.8	2.2	2.7	2.7
75°	1.3	1.8	1.8	2.2	2.2
77.5°	1.3	1.3	1.3	1.8	1.8
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	0.9	0.9	1.3	1.3
85°	1.3	0.9	0.4	0.9	0.9
87.5°	0.9	0.9	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)