

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: P1345383

Luminaire Tested: P3A13R359024DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345383
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: P3A13R359024DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

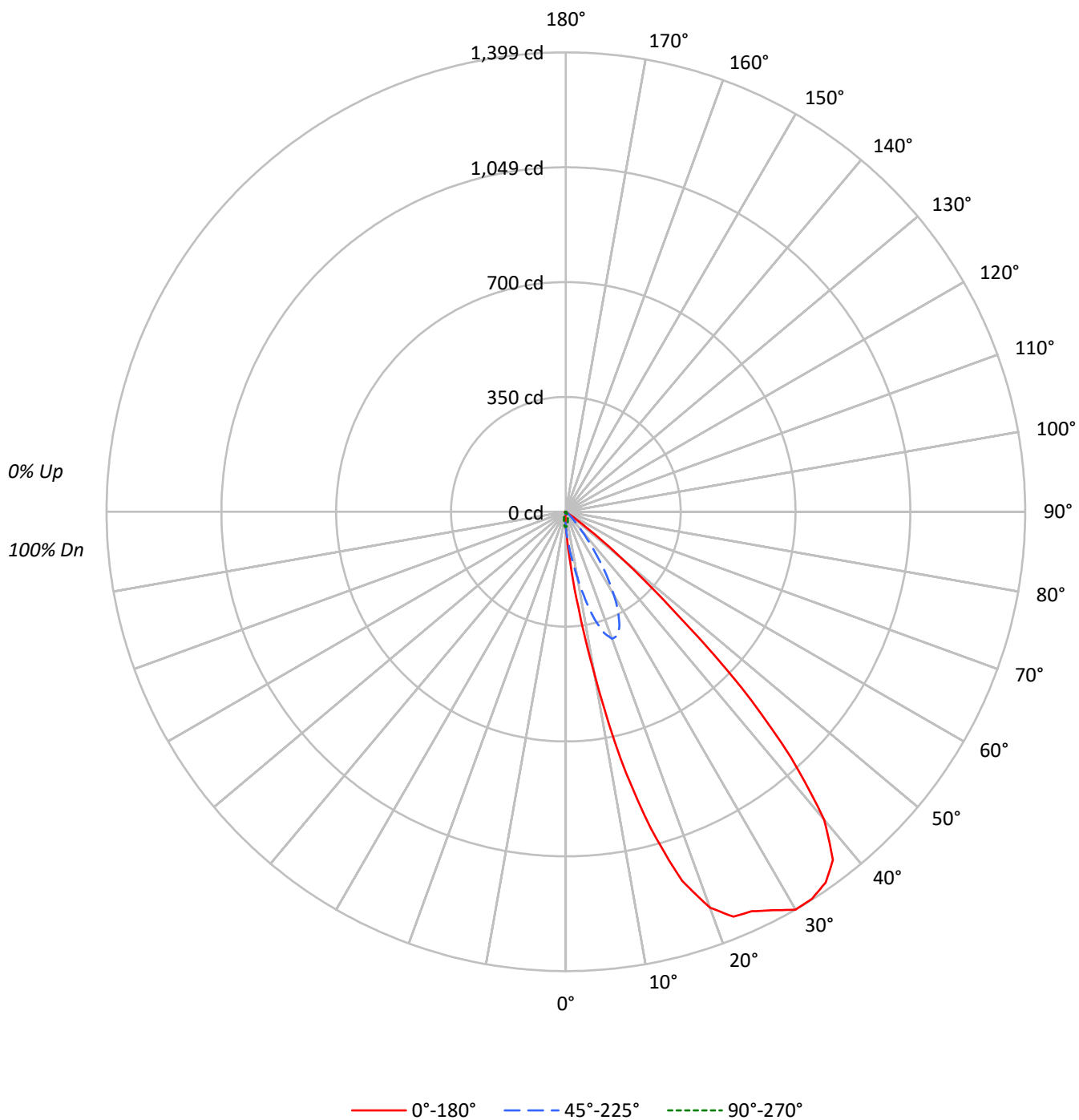
Lumens per Lamp: N/A
Luminaire Lumens: 440.1 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	60
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°	10131	10131	10131	10131	10131
5°	34515	22430	9487	4006	2950
10°	111065	45468	7481	1492	957
15°	226312	77117	5289	545	363
20°	299276	96048	3407	187	187
25°	324720	93368	1911	97	194
30°	354232	74417	810	101	203
35°	369094	46311	214	107	214
40°	350256	20238	115	229	344
45°	233823	8094	124	372	620
50°	78428	1330	273	546	819
55°	4396	153	306	765	1070
60°	351	175	526	877	1228
65°	415	208	623	1038	1453
70°	256	256	769	1282	1539
75°	339	339	1017	1356	1694
80°	0	505	1515	1515	1515
85°	0	1006	3019	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 233823 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	1.8
10°-20°	63.2	14.4
20°-30°	133.4	30.3
30°-40°	151.3	34.4
40°-50°	74.5	16.9
50°-60°	6.5	1.5
60°-70°	1.3	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	204.6	46.5
0°-40°	355.9	80.9
0°-60°	436.9	99.3
0°-90°	440.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	157	102	43	18	13	26
15°	997	340	23	2	2	283
25°	1342	386	8	0	1	625
35°	1379	173	1	0	1	850
45°	754	26	0	1	2	557
55°	12	0	1	2	3	45
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°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	80.2	82.2	81.4	81.0	80.6	79.0	75.4	75.0	71.5	69.1	57.3
5°	156.8	153.6	154.4	150.1	144.6	136.7	131.5	120.5	111.4	101.9	66.8
7.5°	295.4	291.1	282.8	270.2	257.1	240.1	214.5	193.9	170.2	147.7	74.3
10°	498.8	496.5	485.8	453.4	425.0	379.6	336.9	291.9	247.6	204.2	79.4
12.5°	770.6	754.4	735.0	692.0	635.9	579.0	494.9	417.1	346.4	273.7	79.8
15°	996.9	986.6	959.4	903.3	835.8	753.6	653.7	549.0	442.4	339.7	75.8
17.5°	1179.0	1163.2	1128.0	1073.1	995.3	888.7	771.8	644.2	514.3	386.7	69.1
20°	1282.5	1274.2	1247.3	1192.4	1107.5	991.0	857.9	709.4	559.3	411.6	60.4
22.5°	1334.6	1328.7	1308.9	1265.1	1185.7	1068.4	915.9	743.3	572.3	408.8	51.3
25°	1342.1	1340.5	1323.6	1290.4	1224.0	1107.9	941.2	749.7	561.6	385.9	42.7
27.5°	1368.2	1362.7	1342.5	1309.3	1242.6	1114.6	932.5	727.9	527.3	345.6	35.5
30°	1399.0	1395.0	1374.9	1340.5	1261.5	1108.3	901.7	679.7	472.4	293.9	26.5
32.5°	1396.6	1395.0	1378.1	1341.7	1248.1	1071.2	846.8	607.5	397.7	231.8	16.6
35°	1378.8	1373.3	1352.0	1295.9	1171.5	975.6	742.5	509.5	314.8	173.0	10.7
37.5°	1336.2	1324.3	1288.4	1193.2	1034.4	828.3	604.7	393.4	222.8	115.7	6.7
40°	1223.6	1208.6	1136.3	1021.4	855.1	652.5	449.9	270.6	146.9	70.7	2.8
42.5°	1015.1	984.7	912.4	794.3	638.3	461.3	295.4	175.4	86.5	42.7	0.8
45°	754.0	730.7	654.9	547.8	418.3	295.8	178.9	94.8	47.8	26.1	0.4
47.5°	439.2	425.0	385.9	315.6	231.1	155.2	91.6	51.0	28.0	12.6	0.4
50°	229.9	212.1	182.5	138.2	101.9	71.5	44.6	27.3	13.8	3.9	0.4
52.5°	80.6	79.4	72.3	54.5	44.2	32.0	21.7	11.8	3.9	0.8	0.4
55°	11.5	11.5	10.7	11.8	12.6	11.5	7.5	3.2	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.6	1.6	1.2	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	46.2	46.2	46.2	46.2	46.2
2.5°	45.8	36.7	29.2	25.7	24.5
5°	43.1	27.6	18.2	14.2	13.4
7.5°	38.3	19.7	11.1	7.9	7.5
10°	33.6	14.2	6.7	4.7	4.3
12.5°	28.0	9.9	4.3	2.8	2.4
15°	23.3	6.7	2.4	2.0	1.6
17.5°	18.6	4.3	1.6	1.2	1.6
20°	14.6	2.8	0.8	0.8	0.8
22.5°	11.1	1.6	0.8	0.8	0.8
25°	7.9	0.8	0.4	0.4	0.8
27.5°	5.5	0.4	0.4	0.4	0.8
30°	3.2	0.4	0.4	0.4	0.8
32.5°	1.6	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.2
40°	0.4	0.4	0.8	1.2	1.2
42.5°	0.4	0.4	0.8	1.2	1.6
45°	0.4	0.8	1.2	1.6	2.0
47.5°	0.8	0.8	1.6	2.0	2.4
50°	0.8	1.2	1.6	2.4	2.4
52.5°	0.8	1.2	2.0	2.4	2.8
55°	0.8	1.6	2.0	2.8	2.8
57.5°	1.2	1.6	2.0	2.8	2.8
60°	1.2	1.6	2.0	2.8	2.8
62.5°	1.2	1.6	2.0	2.8	2.8
65°	1.2	1.6	2.0	2.8	2.8
67.5°	1.2	1.6	2.0	2.4	2.8
70°	1.2	1.6	2.0	2.4	2.4
72.5°	1.6	1.6	2.0	2.4	2.4
75°	1.2	1.6	1.6	2.0	2.0
77.5°	1.2	1.2	1.2	1.6	1.6
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	0.8	0.8	1.2	1.2
85°	1.2	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)