

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: P1345943

Luminaire Tested: P3A13R409030DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R409030DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

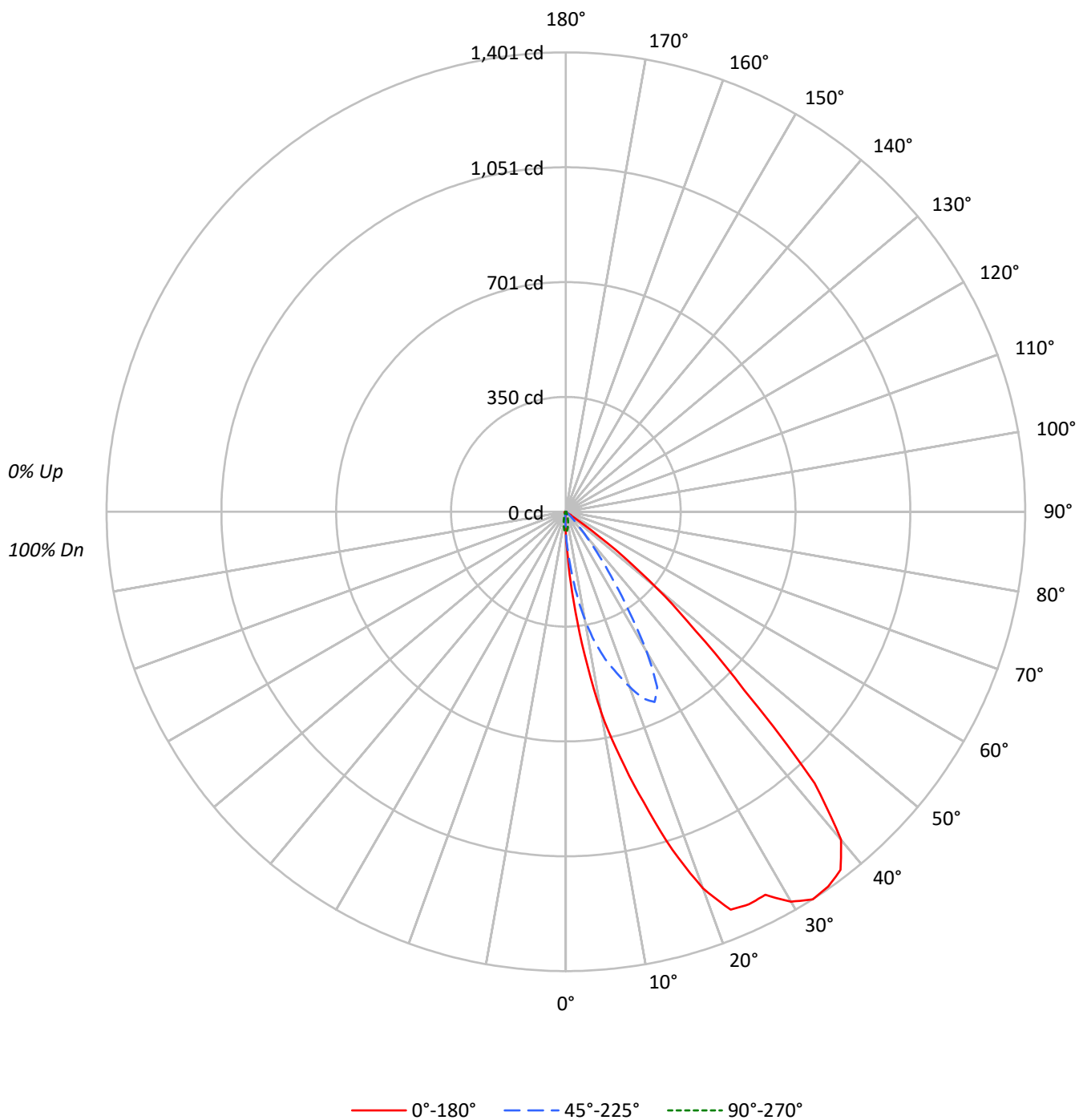
Lumens per Lamp: N/A
Luminaire Lumens: 517.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	71	90	82	76	71	80	74	70		78	73	69		76
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13420	13420	13420	13420	13420
5°	60489	38565	12018	4622	3368
10°	138742	74525	8461	1648	1269
15°	208219	105744	5267	885	795
20°	285088	132545	3057	513	607
25°	319591	154872	1597	411	532
30°	347623	125032	658	329	557
35°	373591	63978	241	455	696
40°	373729	25505	115	487	887
45°	238629	8528	279	806	1209
50°	123868	1058	443	1058	1501
55°	10705	153	497	1338	1835
60°	395	175	570	1535	2105
65°	467	208	882	1608	2283
70°	256	256	1090	1667	2244
75°	339	339	1101	1864	2626
80°	505	505	1642	1642	2147
85°	0	1006	3271	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 238629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	2.3
10°-20°	70.0	13.5
20°-30°	153.3	29.6
30°-40°	174.6	33.8
40°-50°	92.1	17.8
50°-60°	10.9	2.1
60°-70°	2.0	0.4
70°-80°	1.6	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°	235.1	45.5
0°-40°	409.7	79.3
0°-60°	512.7	99.2
0°-90°	517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	275	175	55	21	15	37
15°	917	466	23	4	4	270
25°	1321	640	7	2	2	609
35°	1396	239	1	2	3	865
45°	770	28	1	3	4	620
55°	28	0	1	4	5	87
65°	1	0	2	3	4	1
75°	0	0	1	2	3	0
85°	0	0	1	1	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°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	136.3	136.3	135.9	132.0	131.5	131.1	124.1	122.3	114.0	108.4	82.6
5°	274.8	268.7	268.3	261.3	249.5	233.8	223.7	207.6	191.8	175.2	101.8
7.5°	437.8	443.1	428.7	421.2	395.0	376.2	347.4	322.0	286.6	253.4	117.5
10°	623.1	613.9	599.5	585.1	556.7	523.0	480.2	435.2	384.1	334.7	126.3
12.5°	767.7	755.9	747.2	727.5	699.6	656.3	605.2	544.9	477.2	405.9	125.8
15°	917.2	905.4	885.7	868.2	826.7	778.2	722.7	643.2	560.2	465.8	116.7
17.5°	1081.5	1066.2	1044.3	1017.7	977.5	923.7	853.4	756.4	638.8	514.7	100.1
20°	1221.7	1212.6	1190.7	1159.3	1119.9	1067.5	986.2	878.7	735.4	568.0	79.5
22.5°	1313.5	1305.2	1290.3	1262.8	1233.1	1177.2	1102.9	984.9	816.2	616.5	60.3
25°	1320.9	1317.4	1313.5	1304.3	1286.4	1246.6	1174.1	1047.0	866.5	640.1	44.6
27.5°	1317.0	1315.7	1314.8	1310.0	1298.2	1258.9	1184.6	1056.1	859.9	603.4	32.8
30°	1372.9	1369.0	1366.8	1351.1	1320.1	1259.3	1162.3	1006.8	764.2	493.8	23.6
32.5°	1401.3	1400.5	1398.3	1383.0	1339.3	1260.2	1124.7	887.5	606.1	356.6	16.2
35°	1395.6	1391.3	1383.4	1355.0	1294.3	1195.1	1003.3	708.7	437.4	239.0	10.5
37.5°	1376.4	1366.4	1351.1	1300.0	1219.1	1083.7	813.6	521.7	297.6	154.7	6.1
40°	1305.6	1292.1	1268.1	1205.6	1099.4	893.1	601.7	352.6	195.3	89.1	1.7
42.5°	1122.5	1105.1	1087.6	1017.7	896.2	665.9	395.9	218.0	111.4	48.9	0.4
45°	769.5	747.6	723.6	672.9	575.5	403.3	235.5	122.8	57.7	27.5	0.4
47.5°	534.4	524.4	482.4	417.7	320.3	213.7	121.9	60.3	30.6	12.7	0.4
50°	363.1	351.8	302.8	240.3	170.4	102.2	55.9	30.2	13.5	3.1	0.4
52.5°	190.5	176.5	145.5	111.0	69.0	42.8	24.5	13.1	3.9	0.4	0.4
55°	28.0	25.8	21.0	17.0	15.3	11.8	7.0	3.1	0.4	0.4	0.9
57.5°	0.9	0.9	0.9	0.9	1.3	1.3	0.9	0.4	0.4	0.4	0.9
60°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9
62.5°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9
65°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9
67.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9	1.3
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	0.9	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	1.3
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	1.3
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°	61.2	61.2	61.2	61.2	61.2
2.5°	60.3	44.6	34.5	29.7	29.3
5°	54.6	31.9	21.0	16.2	15.3
7.5°	46.3	22.3	12.2	8.7	8.3
10°	38.0	15.3	7.4	6.1	5.7
12.5°	30.2	10.1	5.2	4.8	4.4
15°	23.2	6.6	3.9	3.5	3.5
17.5°	17.5	4.4	3.1	3.1	3.1
20°	13.1	3.1	2.2	2.6	2.6
22.5°	9.2	2.2	1.7	2.2	2.2
25°	6.6	1.7	1.7	2.2	2.2
27.5°	4.4	1.3	1.3	1.7	2.2
30°	2.6	0.9	1.3	1.7	2.2
32.5°	1.3	0.9	1.3	2.2	2.2
35°	0.9	1.3	1.7	2.2	2.6
37.5°	0.4	1.3	1.7	2.6	2.6
40°	0.4	1.3	1.7	2.6	3.1
42.5°	0.9	1.7	2.2	3.1	3.5
45°	0.9	1.7	2.6	3.5	3.9
47.5°	0.9	1.7	3.1	3.9	3.9
50°	1.3	2.2	3.1	3.9	4.4
52.5°	1.3	2.2	3.1	4.4	4.8
55°	1.3	2.2	3.5	4.4	4.8
57.5°	1.3	2.6	3.5	4.4	4.8
60°	1.3	2.2	3.5	4.4	4.8
62.5°	1.7	2.2	3.1	4.4	4.4
65°	1.7	2.2	3.1	4.4	4.4
67.5°	1.7	2.2	3.1	3.9	3.9
70°	1.7	2.2	2.6	3.5	3.5
72.5°	1.7	2.2	2.6	3.1	3.5
75°	1.3	1.7	2.2	2.6	3.1
77.5°	1.3	1.7	1.7	2.6	2.6
80°	1.3	1.3	1.3	1.7	1.7
82.5°	1.3	1.3	0.9	1.3	1.3
85°	1.3	0.9	0.9	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)