

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: P1344983

Luminaire Tested: P3A13R309727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

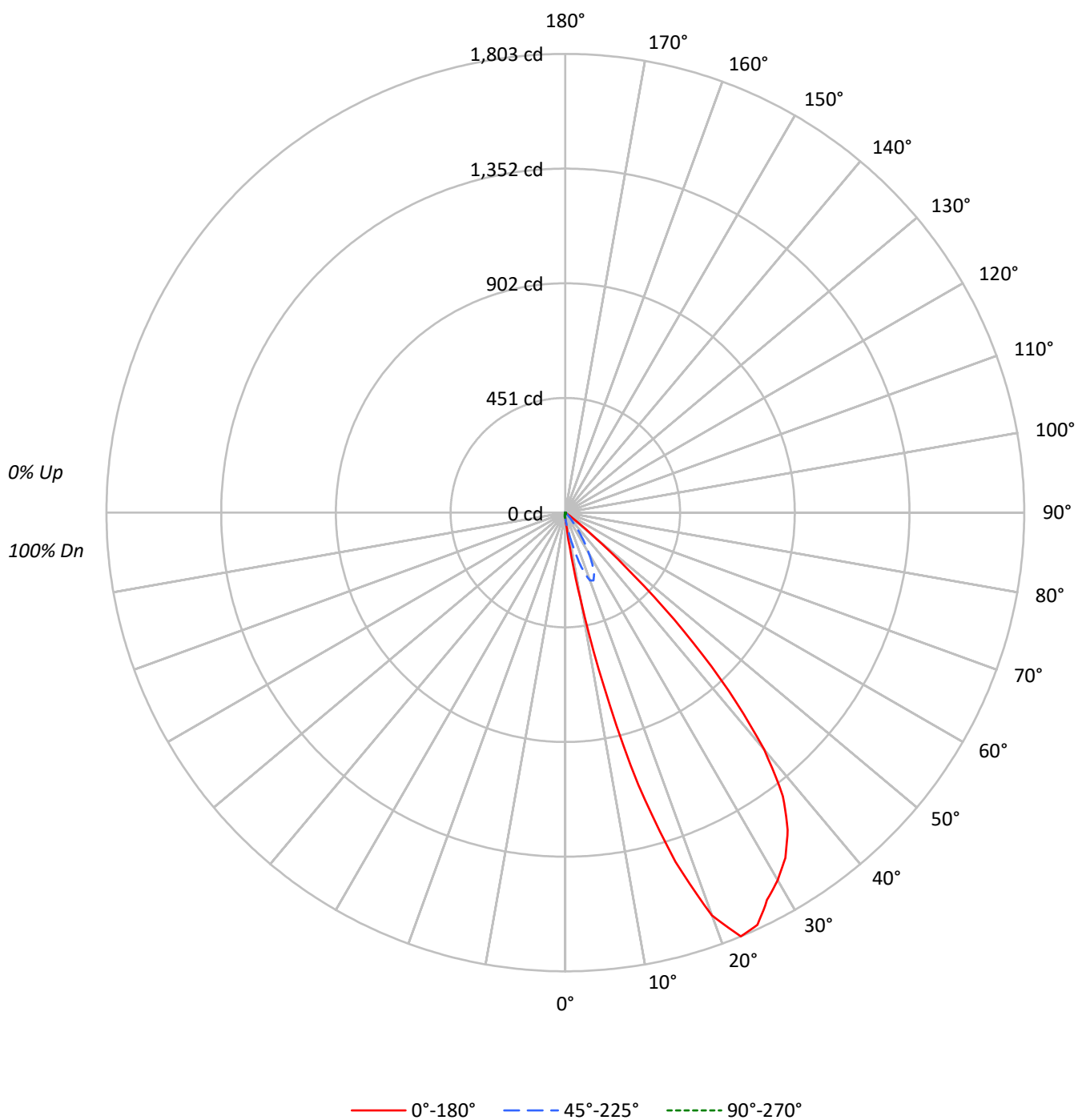
Lumens per Lamp: N/A
Luminaire Lumens: 425.1 lumens
Efficiency: N/A
Efficacy: 29.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	87	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	66	55	48	43	65	55	48	43	53	47	43		52	47	43		52
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4429	4429	4429	4429	4429
5°	13339	8893	4182	1871	1541
10°	77220	18860	3295	868	601
15°	251171	42770	2293	182	91
20°	393038	66156	1447	0	0
25°	432412	64649	750	0	0
30°	422343	46615	304	0	0
35°	407615	26502	107	0	0
40°	347623	11221	0	0	0
45°	204021	4217	124	0	124
50°	49534	785	136	136	409
55°	4320	0	306	459	612
60°	175	0	351	526	833
65°	208	208	623	623	986
70°	256	256	769	769	1026
75°	0	339	1017	1017	1017
80°	0	505	1515	1010	1010
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 204021 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.9
10°-20°	58.4	13.7
20°-30°	148.4	34.9
30°-40°	148.0	34.8
40°-50°	59.9	14.1
50°-60°	4.2	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
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°	210.6	49.5
0°-40°	358.5	84.3
0°-60°	422.6	99.4
0°-90°	425.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	425.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	61	40	19	8	7	14
15°	1106	188	10	1	0	322
25°	1787	267	3	0	0	807
35°	1523	99	0	0	0	933
45°	658	14	0	0	0	502
55°	11	0	1	1	2	29
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	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°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
2.5°	33.4	33.8	33.8	33.0	32.6	32.6	31.5	31.1	29.9	28.7	24.9
5°	60.6	59.4	57.9	57.9	54.4	52.4	49.7	46.6	44.3	40.4	28.7
7.5°	137.5	128.2	125.4	121.9	108.7	98.3	86.2	75.7	66.0	57.9	31.8
10°	346.8	328.5	313.4	282.7	244.3	207.4	173.2	133.6	106.4	84.7	34.2
12.5°	698.6	674.2	645.1	589.1	517.3	425.2	343.7	256.7	180.2	124.7	35.0
15°	1106.4	1064.9	1019.4	948.4	830.7	698.6	551.5	412.8	289.3	188.4	34.2
17.5°	1438.8	1422.5	1355.4	1258.3	1114.2	944.1	762.7	573.2	390.3	246.6	31.8
20°	1684.3	1673.0	1591.9	1488.6	1326.2	1131.3	901.0	673.4	460.6	283.5	28.3
22.5°	1802.7	1800.8	1742.2	1636.5	1464.5	1243.5	989.9	731.3	482.3	288.5	23.7
25°	1787.2	1794.2	1760.8	1682.3	1517.3	1289.7	1016.3	731.3	466.4	267.2	19.8
27.5°	1716.5	1721.2	1700.2	1640.0	1486.2	1256.3	979.4	684.3	420.2	229.5	16.3
30°	1668.0	1669.9	1643.9	1579.4	1416.3	1180.2	892.4	597.3	350.3	184.1	12.0
32.5°	1608.9	1608.6	1578.3	1504.5	1324.7	1073.4	782.1	493.6	269.1	139.8	7.0
35°	1522.7	1513.0	1471.9	1386.8	1188.0	929.7	641.2	375.9	193.8	99.0	4.3
37.5°	1404.3	1379.0	1320.8	1207.0	996.1	728.9	475.3	264.1	132.4	65.6	2.7
40°	1214.4	1187.6	1108.4	970.1	753.4	524.7	320.4	172.0	83.5	39.2	1.6
42.5°	952.2	934.0	827.2	689.3	497.5	334.8	192.6	101.7	47.0	22.5	0.4
45°	657.9	634.2	550.3	433.4	298.6	185.6	108.0	53.2	26.8	13.6	0.0
47.5°	363.1	334.0	285.4	224.5	150.3	97.5	54.4	28.7	15.1	6.6	0.0
50°	145.2	144.1	114.6	81.6	57.5	44.3	27.2	15.5	7.8	2.3	0.4
52.5°	50.9	50.9	43.9	35.7	28.0	20.2	13.6	7.4	2.7	0.8	0.4
55°	11.3	12.4	11.7	10.9	10.5	8.9	5.8	2.7	0.8	0.0	0.4
57.5°	1.2	1.2	1.2	1.6	1.9	1.9	1.6	0.8	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	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°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	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	0.0	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°	20.2	20.2	20.2	20.2	20.2
2.5°	20.2	15.9	13.2	11.7	11.3
5°	19.0	12.0	8.5	7.4	7.0
7.5°	17.1	8.9	5.8	4.7	4.3
10°	14.8	6.6	3.9	2.7	2.7
12.5°	12.4	5.0	2.3	1.2	0.8
15°	10.1	3.1	0.8	0.4	0.4
17.5°	7.8	1.9	0.0	0.0	0.0
20°	6.2	0.8	0.0	0.0	0.0
22.5°	4.7	0.4	0.0	0.0	0.0
25°	3.1	0.0	0.0	0.0	0.0
27.5°	1.9	0.0	0.0	0.0	0.0
30°	1.2	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.2
52.5°	0.8	0.4	0.8	1.2	1.2
55°	0.8	0.8	1.2	1.6	1.6
57.5°	0.8	0.8	1.2	1.6	1.6
60°	0.8	0.8	1.2	1.6	1.9
62.5°	1.2	1.2	1.2	1.6	1.6
65°	1.2	1.2	1.2	1.6	1.9
67.5°	1.2	1.2	1.2	1.6	1.9
70°	1.2	1.2	1.2	1.6	1.6
72.5°	1.6	1.2	1.2	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	0.8	1.2	1.2
80°	1.2	0.8	0.8	0.8	0.8
82.5°	1.2	0.8	0.8	0.8	0.8
85°	1.2	0.8	0.4	0.4	0.4
87.5°	1.2	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)