

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: P1337447

Luminaire Tested: P3A05R259827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

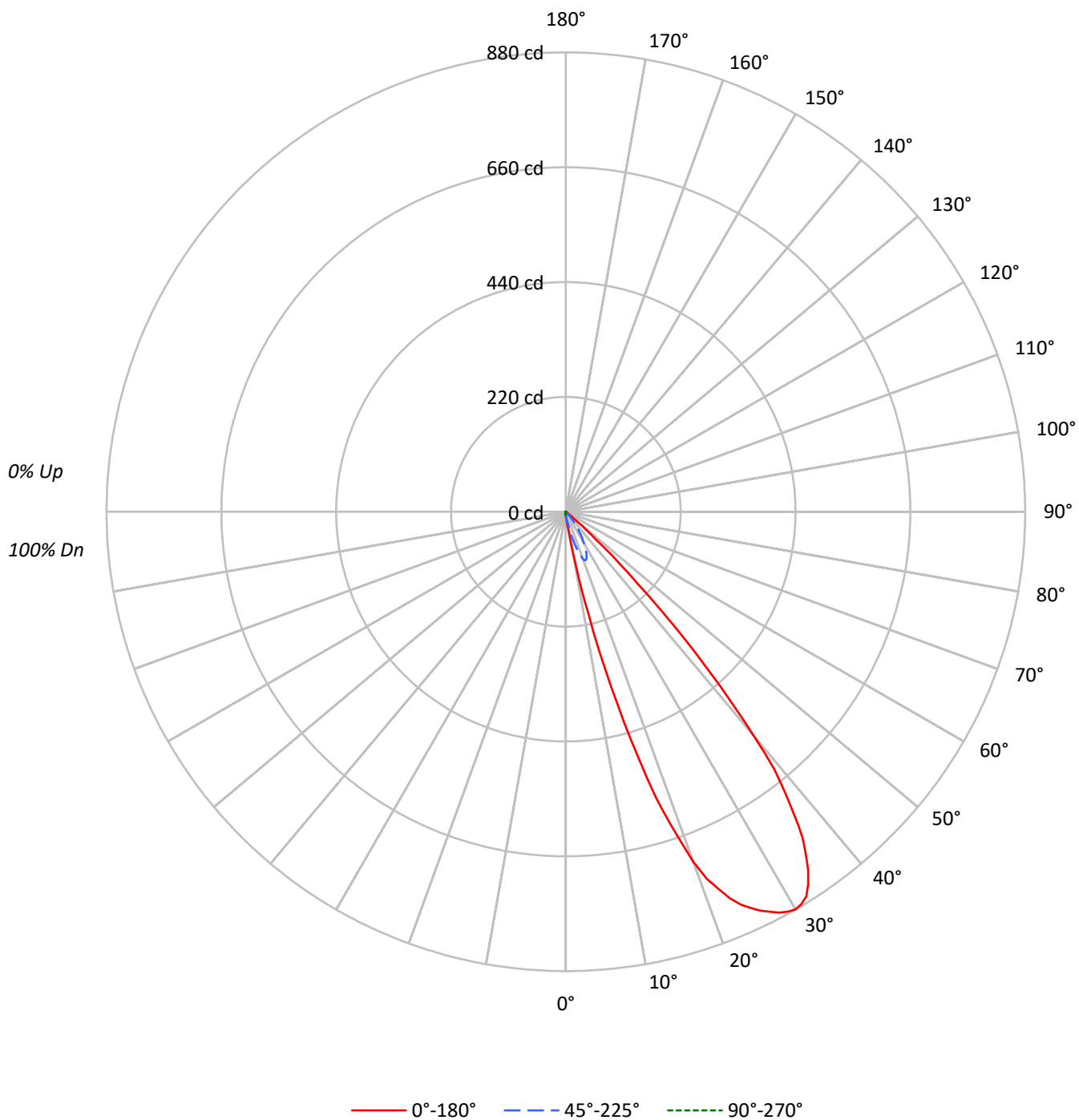
Lumens per Lamp: N/A
Luminaire Lumens: 176.0 lumens
Efficiency: N/A
Efficacy: 24.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1667	1667	1667	1667	1667
5°	4160	3082	1563	792	616
10°	18169	5233	1269	356	245
15°	86402	14098	885	159	114
20°	166334	22565	583	47	47
25°	202584	22767	315	0	0
30°	222743	17420	127	0	0
35°	214636	11082	54	0	0
40°	160386	4780	0	0	57
45°	59386	1271	62	62	155
50°	6993	171	102	102	239
55°	688	0	115	191	306
60°	88	0	219	307	351
65°	104	104	363	415	519
70°	128	128	449	449	641
75°	169	169	424	424	593
80°	0	253	631	379	631
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.6
10°-20°	20.5	11.7
20°-30°	64.4	36.6
30°-40°	67.8	38.5
40°-50°	19.9	11.3
50°-60°	1.1	0.6
60°-70°	0.5	0.3
70°-80°	0.5	0.3
80°-90°	0.2	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°	86.0	48.9
0°-40°	153.8	87.4
0°-60°	174.8	99.3
0°-90°	176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	8	8	8	8	8	
5°	19	14	7	4	3	3
15°	381	62	4	1	0	120
25°	837	94	1	0	0	384
35°	802	41	0	0	0	484
45°	192	4	0	0	0	174
55°	2	0	0	0	1	5
65°	0	0	1	1	1	0
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	11.7	11.8	11.3	11.7	11.3	11.2	11.0	10.2	8.9	7.6	6.2
5°	18.9	18.9	18.1	17.9	17.6	16.9	16.3	14.0	10.0	7.1	4.9
7.5°	29.6	29.4	29.1	28.2	26.6	25.0	23.3	18.2	11.0	6.6	3.8
10°	81.6	80.5	79.0	70.1	60.1	51.2	43.5	23.5	11.8	5.7	2.8
12.5°	202.8	196.2	180.6	162.9	140.2	116.4	93.1	38.3	12.2	4.8	2.0
15°	380.6	367.0	342.7	307.2	260.9	208.9	164.5	62.1	11.8	3.9	1.5
17.5°	574.7	561.6	527.9	474.1	405.9	326.0	247.5	82.3	11.0	3.3	1.0
20°	712.8	698.9	667.4	610.2	536.5	429.9	325.8	96.7	10.3	2.5	0.5
21°	753.2	739.3	705.9	650.8	573.3	466.4	350.9	99.2	9.9	2.1	0.3
22°	778.8	770.6	734.8	681.3	602.3	495.6	372.4	100.3	9.5	2.0	0.3
23°	804.6	792.3	758.8	702.3	624.5	517.3	388.4	99.5	9.2	1.6	0.2
24°	823.7	813.3	774.4	718.6	639.9	530.6	397.7	97.4	8.7	1.5	0.2
25°	837.3	827.8	787.2	729.6	650.3	537.8	400.7	94.1	8.2	1.3	0.2
26°	850.3	839.9	797.9	736.0	655.7	540.1	397.9	90.5	7.7	1.1	0.0
27°	859.6	849.1	805.3	739.8	656.0	537.3	390.3	85.6	7.2	1.0	0.0
28°	869.7	857.5	810.4	741.9	654.0	530.7	379.5	80.3	6.9	0.8	0.0
29°	875.7	864.2	815.6	744.2	649.9	519.7	363.7	74.1	6.1	0.5	0.0
30°	879.7	866.0	815.1	741.7	644.5	507.9	344.8	68.8	5.3	0.5	0.0
31°	876.4	862.1	809.9	734.8	635.8	492.5	325.5	62.2	4.3	0.3	0.0
32°	869.3	852.4	800.7	722.9	620.2	472.6	305.4	56.8	3.1	0.3	0.0
33°	852.1	837.8	784.1	706.8	599.9	445.7	279.3	51.6	2.1	0.2	0.0
34°	830.4	816.1	761.4	685.2	572.6	410.9	247.6	46.1	1.8	0.2	0.0
35°	801.8	787.7	735.8	655.2	536.5	369.0	215.0	41.4	1.5	0.2	0.0
36°	771.8	753.1	703.5	623.2	488.0	321.4	180.0	36.0	1.1	0.2	0.0
37°	727.6	715.0	660.0	574.4	435.6	275.7	154.5	31.0	0.8	0.2	0.0
38°	681.8	670.1	616.4	525.3	377.2	230.6	129.4	26.3	0.7	0.0	0.0
39°	634.5	615.1	562.1	462.4	315.9	193.1	108.9	22.0	0.3	0.0	0.0
40°	560.3	545.5	488.9	386.9	261.4	156.5	92.8	16.7	0.3	0.0	0.0
42.5°	371.4	357.6	298.2	209.9	138.9	91.5	61.3	6.6	0.0	0.2	0.0
45°	191.5	182.8	148.4	109.9	78.8	56.2	39.4	4.1	0.0	0.2	0.2
47.5°	76.0	74.6	67.3	58.1	44.8	33.3	21.5	1.8	0.0	0.2	0.2
50°	20.5	20.7	19.4	17.9	16.3	15.3	9.0	0.5	0.0	0.3	0.2
52.5°	8.7	8.9	8.5	8.0	7.2	5.4	3.6	0.2	0.2	0.3	0.3
55°	1.8	2.0	2.1	2.3	2.6	2.3	1.5	0.0	0.2	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.0	0.2	0.3	0.5
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3	0.5	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.7
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.7	0.7
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.5	0.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.5	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.3
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):

	135°	157.5°	180°
0°	7.6	7.6	7.6
2.5°	5.3	4.8	4.6
5°	3.6	3.1	2.8
7.5°	2.5	2.0	1.8
10°	1.6	1.3	1.1
12.5°	1.1	0.7	0.7
15°	0.7	0.5	0.5
17.5°	0.3	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.3
45°	0.2	0.3	0.5
47.5°	0.3	0.5	0.7
50°	0.3	0.7	0.7
52.5°	0.5	0.7	0.8
55°	0.5	0.8	0.8
57.5°	0.7	0.8	1.0
60°	0.7	0.8	0.8
62.5°	0.7	1.0	1.0
65°	0.8	1.0	1.0
67.5°	0.8	1.0	1.0
70°	0.7	0.8	1.0
72.5°	0.7	0.8	0.8
75°	0.5	0.7	0.7
77.5°	0.5	0.5	0.7
80°	0.3	0.5	0.5

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.3	0.3	0.3
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)