

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: P1337971

Luminaire Tested: P3A05R309830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337971
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: P3A05R309830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

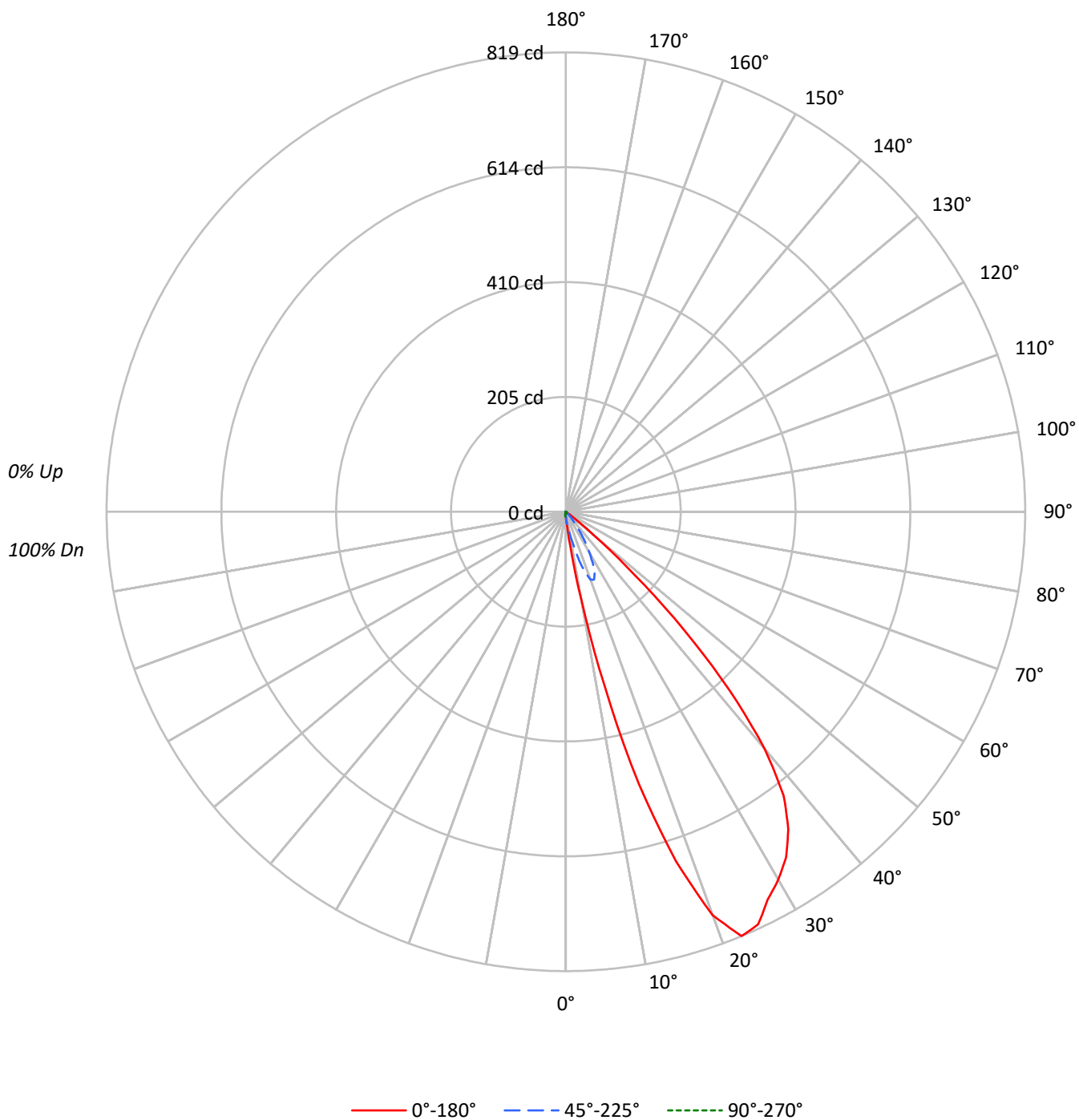
Lumens per Lamp: N/A
Luminaire Lumens: 193.0 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2017	2017	2017	2017	2017
5°	6053	4028	1893	858	704
10°	35069	8550	1492	401	267
15°	114053	19410	1044	91	45
20°	178492	30033	653	0	0
25°	196366	29348	339	0	0
30°	191802	21168	127	0	0
35°	185109	12046	54	0	0
40°	157867	5095	0	0	0
45°	92661	1923	62	0	62
50°	22515	375	68	68	171
55°	1950	0	153	191	268
60°	88	0	175	219	395
65°	104	104	259	259	467
70°	128	128	321	321	449
75°	0	169	424	424	424
80°	0	253	631	505	505
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.9
10°-20°	26.5	13.7
20°-30°	67.4	34.9
30°-40°	67.2	34.8
40°-50°	27.2	14.1
50°-60°	1.9	1.0
60°-70°	0.4	0.2
70°-80°	0.4	0.2
80°-90°	0.3	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°	95.6	49.5
0°-40°	162.8	84.3
0°-60°	191.9	99.4
0°-90°	193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	193.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	28	18	9	4	3	6
15°	502	86	5	0	0	146
25°	812	121	1	0	0	366
35°	692	45	0	0	0	424
45°	299	6	0	0	0	228
55°	5	0	0	0	1	13
65°	0	0	0	0	1	0
75°	0	0	0	0	0	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°	35°	40°	45°	67.5°
0°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
2.5°	15.2	15.3	15.3	15.0	14.8	14.8	14.3	14.1	13.6	13.1	11.3
5°	27.5	27.0	26.3	26.3	24.7	23.8	22.6	21.2	20.1	18.3	13.1
7.5°	62.4	58.2	57.0	55.4	49.4	44.6	39.2	34.4	30.0	26.3	14.5
10°	157.5	149.2	142.3	128.4	110.9	94.2	78.7	60.7	48.3	38.4	15.5
12.5°	317.3	306.2	292.9	267.5	234.9	193.1	156.1	116.6	81.8	56.6	15.9
15°	502.4	483.6	462.9	430.7	377.2	317.3	250.4	187.5	131.4	85.5	15.5
17.5°	653.4	646.0	615.5	571.4	506.0	428.7	346.4	260.3	177.2	112.0	14.5
20°	764.9	759.7	722.9	676.0	602.3	513.7	409.2	305.8	209.2	128.7	12.9
22.5°	818.7	817.8	791.1	743.2	665.0	564.7	449.5	332.1	219.0	131.0	10.8
25°	811.6	814.8	799.6	764.0	689.0	585.7	461.5	332.1	211.8	121.3	9.0
27.5°	779.5	781.6	772.1	744.8	674.9	570.5	444.8	310.7	190.8	104.2	7.4
30°	757.5	758.3	746.5	717.2	643.2	536.0	405.3	271.2	159.1	83.6	5.5
32.5°	730.7	730.5	716.7	683.2	601.6	487.5	355.2	224.2	122.2	63.5	3.2
35°	691.5	687.1	668.4	629.8	539.5	422.2	291.2	170.7	88.0	45.0	1.9
37.5°	637.7	626.2	599.8	548.1	452.4	331.0	215.9	119.9	60.1	29.8	1.2
40°	551.5	539.3	503.3	440.5	342.1	238.3	145.5	78.1	37.9	17.8	0.7
42.5°	432.4	424.1	375.6	313.0	225.9	152.0	87.5	46.2	21.3	10.2	0.2
45°	298.8	288.0	249.9	196.8	135.6	84.3	49.0	24.2	12.2	6.2	0.0
47.5°	164.9	151.7	129.6	101.9	68.3	44.3	24.7	13.1	6.9	3.0	0.0
50°	66.0	65.4	52.0	37.0	26.1	20.1	12.3	7.1	3.5	1.1	0.2
52.5°	23.1	23.1	19.9	16.2	12.7	9.2	6.2	3.4	1.2	0.4	0.2
55°	5.1	5.6	5.3	4.9	4.8	4.1	2.6	1.2	0.4	0.0	0.2
57.5°	0.5	0.5	0.5	0.7	0.9	0.9	0.7	0.4	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	9.2	9.2	9.2	9.2	9.2
2.5°	9.2	7.2	6.0	5.3	5.1
5°	8.6	5.5	3.9	3.4	3.2
7.5°	7.8	4.1	2.6	2.1	1.9
10°	6.7	3.0	1.8	1.2	1.2
12.5°	5.6	2.3	1.1	0.5	0.4
15°	4.6	1.4	0.4	0.2	0.2
17.5°	3.5	0.9	0.0	0.0	0.0
20°	2.8	0.4	0.0	0.0	0.0
22.5°	2.1	0.2	0.0	0.0	0.0
25°	1.4	0.0	0.0	0.0	0.0
27.5°	0.9	0.0	0.0	0.0	0.0
30°	0.5	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	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°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.5
52.5°	0.4	0.2	0.4	0.5	0.5
55°	0.4	0.4	0.5	0.7	0.7
57.5°	0.4	0.4	0.5	0.7	0.7
60°	0.4	0.4	0.5	0.7	0.9
62.5°	0.5	0.5	0.5	0.7	0.7
65°	0.5	0.5	0.5	0.7	0.9
67.5°	0.5	0.5	0.5	0.7	0.9
70°	0.5	0.5	0.5	0.7	0.7
72.5°	0.7	0.5	0.5	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.4	0.5	0.5
80°	0.5	0.4	0.4	0.4	0.4
82.5°	0.5	0.4	0.4	0.4	0.4
85°	0.5	0.4	0.2	0.2	0.2
87.5°	0.5	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)