

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: P1337859

Luminaire Tested: P3A05R309040DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337859
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: P3A05R309040DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

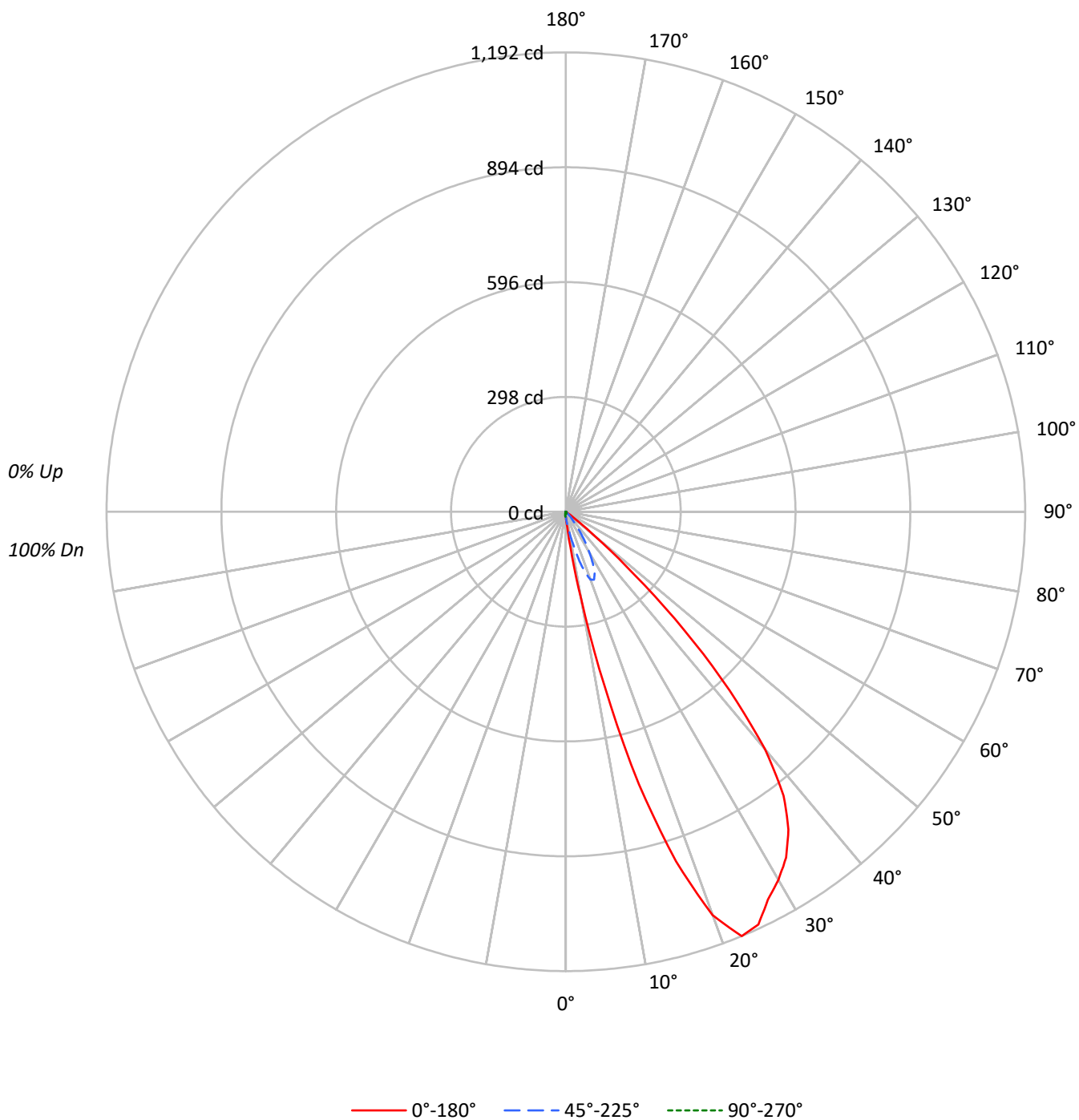
Lumens per Lamp: N/A
Luminaire Lumens: 281.1 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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°	2938	2938	2938	2938	2938
5°	8827	5877	2773	1233	1013
10°	51057	12469	2182	579	401
15°	166062	28263	1521	114	68
20°	259863	43730	957	0	0
25°	285912	42752	508	0	0
30°	279233	30815	203	0	0
35°	269513	17534	80	0	0
40°	229831	7414	0	0	0
45°	134898	2791	93	0	93
50°	32749	512	102	102	273
55°	2829	0	191	306	382
60°	132	0	219	351	570
65°	156	156	415	415	675
70°	192	192	513	513	641
75°	0	254	678	678	678
80°	0	379	1010	631	631
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 134898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.9
10°-20°	38.6	13.7
20°-30°	98.1	34.9
30°-40°	97.8	34.8
40°-50°	39.6	14.1
50°-60°	2.7	1.0
60°-70°	0.6	0.2
70°-80°	0.6	0.2
80°-90°	0.4	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°	139.2	49.5
0°-40°	237.0	84.3
0°-60°	279.4	99.4
0°-90°	281.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	40	27	13	6	5	9
15°	732	124	7	0	0	213
25°	1182	177	2	0	0	534
35°	1007	66	0	0	0	617
45°	435	9	0	0	0	332
55°	7	0	0	1	1	19
65°	0	0	1	1	1	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°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
2.5°	22.1	22.3	22.3	21.8	21.6	21.6	20.8	20.5	19.8	19.0	16.4
5°	40.1	39.3	38.3	38.3	35.9	34.7	32.9	30.8	29.3	26.7	19.0
7.5°	90.9	84.7	82.9	80.6	71.9	65.0	57.0	50.1	43.7	38.3	21.1
10°	229.3	217.2	207.2	186.9	161.5	137.1	114.5	88.3	70.4	56.0	22.6
12.5°	461.9	445.8	426.5	389.5	342.0	281.2	227.2	169.7	119.1	82.4	23.1
15°	731.5	704.1	674.0	627.0	549.2	461.9	364.6	272.9	191.3	124.5	22.6
17.5°	951.3	940.5	896.1	831.9	736.7	624.2	504.3	379.0	258.1	163.0	21.1
20°	1113.6	1106.2	1052.5	984.2	876.9	748.0	595.7	445.2	304.5	187.4	18.7
22.5°	1191.9	1190.6	1151.9	1082.0	968.3	822.2	654.5	483.5	318.9	190.8	15.7
25°	1181.7	1186.3	1164.2	1112.3	1003.2	852.7	672.0	483.5	308.4	176.7	13.1
27.5°	1134.9	1138.0	1124.1	1084.3	982.7	830.6	647.6	452.4	277.8	151.8	10.8
30°	1102.8	1104.1	1086.9	1044.3	936.4	780.3	590.1	394.9	231.6	121.7	8.0
32.5°	1063.8	1063.5	1043.5	994.7	875.8	709.7	517.1	326.4	177.9	92.4	4.6
35°	1006.8	1000.4	973.2	916.9	785.5	614.7	423.9	248.6	128.1	65.5	2.8
37.5°	928.5	911.8	873.3	798.0	658.6	482.0	314.3	174.6	87.6	43.4	1.8
40°	802.9	785.2	732.8	641.4	498.1	346.9	211.8	113.7	55.2	25.9	1.0
42.5°	629.6	617.5	546.9	455.8	328.9	221.3	127.4	67.3	31.1	14.9	0.3
45°	435.0	419.3	363.8	286.6	197.5	122.7	71.4	35.2	17.7	9.0	0.0
47.5°	240.1	220.8	188.7	148.4	99.4	64.4	35.9	19.0	10.0	4.4	0.0
50°	96.0	95.3	75.7	53.9	38.0	29.3	18.0	10.3	5.1	1.5	0.3
52.5°	33.6	33.6	29.0	23.6	18.5	13.4	9.0	4.9	1.8	0.5	0.3
55°	7.4	8.2	7.7	7.2	6.9	5.9	3.9	1.8	0.5	0.0	0.3
57.5°	0.8	0.8	0.8	1.0	1.3	1.3	1.0	0.5	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.5
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8
75°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.8
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5
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°	13.4	13.4	13.4	13.4	13.4
2.5°	13.4	10.5	8.7	7.7	7.4
5°	12.6	8.0	5.6	4.9	4.6
7.5°	11.3	5.9	3.9	3.1	2.8
10°	9.8	4.4	2.6	1.8	1.8
12.5°	8.2	3.3	1.5	0.8	0.5
15°	6.7	2.1	0.5	0.3	0.3
17.5°	5.1	1.3	0.0	0.0	0.0
20°	4.1	0.5	0.0	0.0	0.0
22.5°	3.1	0.3	0.0	0.0	0.0
25°	2.1	0.0	0.0	0.0	0.0
27.5°	1.3	0.0	0.0	0.0	0.0
30°	0.8	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	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°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.5	0.8
52.5°	0.5	0.3	0.5	0.8	0.8
55°	0.5	0.5	0.8	1.0	1.0
57.5°	0.5	0.5	0.8	1.0	1.0
60°	0.5	0.5	0.8	1.0	1.3
62.5°	0.8	0.8	0.8	1.0	1.0
65°	0.8	0.8	0.8	1.0	1.3
67.5°	0.8	0.8	0.8	1.0	1.3
70°	0.8	0.8	0.8	1.0	1.0
72.5°	1.0	0.8	0.8	1.0	1.0
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.5	0.8	0.8
80°	0.8	0.5	0.5	0.5	0.5
82.5°	0.8	0.5	0.5	0.5	0.5
85°	0.8	0.5	0.3	0.3	0.3
87.5°	0.8	0.5	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)