

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: P1342013

Luminaire Tested: P3A09R359827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R359827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

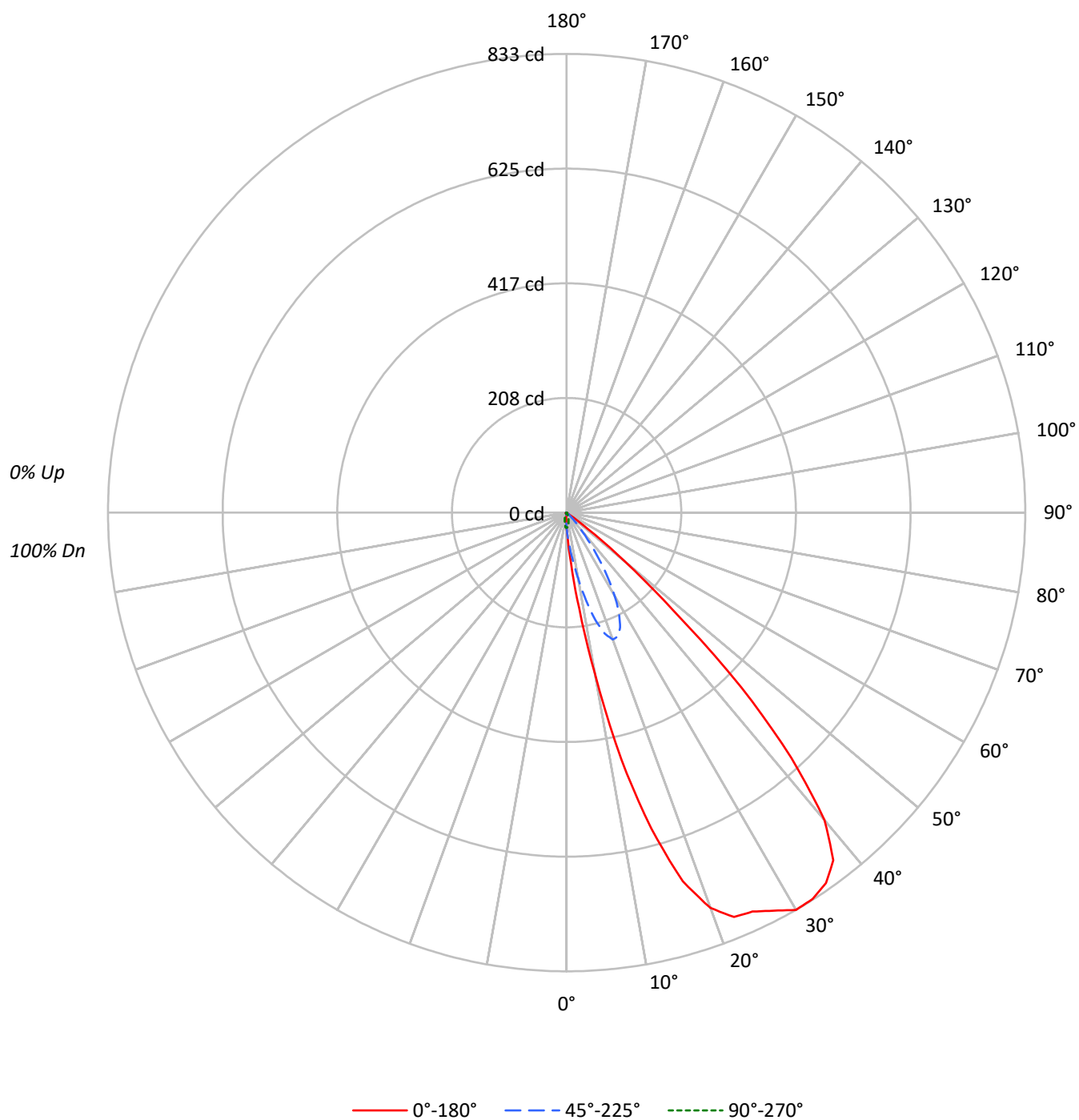
Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 23.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	98	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	91	85	81	97	90	84	80	87	83	79		85	81	77		82
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6030	6030	6030	6030	6030
5°	20559	13361	5635	2377	1761
10°	66131	27076	4453	891	579
15°	134757	45925	3156	318	204
20°	178212	57195	2030	117	117
25°	193366	55600	1137	48	121
30°	210919	44311	481	51	127
35°	219775	27572	134	54	134
40°	208562	12051	57	143	200
45°	139239	4807	62	217	372
50°	46702	819	171	307	478
55°	2600	76	191	459	612
60°	219	88	307	526	702
65°	259	104	363	623	830
70°	128	128	449	769	898
75°	169	169	593	763	1017
80°	0	253	884	884	884
85°	0	503	1761	503	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 139239 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	1.8
10°-20°	37.6	14.4
20°-30°	79.4	30.3
30°-40°	90.1	34.4
40°-50°	44.3	16.9
50°-60°	3.8	1.5
60°-70°	0.8	0.3
70°-80°	0.7	0.3
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°	121.8	46.5
0°-40°	211.9	80.9
0°-60°	260.1	99.3
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	93	61	26	11	8	15
15°	594	202	14	1	1	169
25°	799	230	5	0	0	372
35°	821	103	0	0	0	506
45°	449	16	0	1	1	332
55°	7	0	0	1	2	27
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°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
2.5°	47.7	48.9	48.4	48.2	48.0	47.0	44.9	44.7	42.6	41.2	34.1
5°	93.4	91.5	92.0	89.4	86.1	81.4	78.3	71.7	66.3	60.7	39.7
7.5°	175.9	173.3	168.4	160.9	153.1	143.0	127.7	115.5	101.4	88.0	44.2
10°	297.0	295.6	289.3	270.0	253.1	226.0	200.6	173.8	147.5	121.6	47.3
12.5°	458.9	449.2	437.7	412.0	378.7	344.8	294.7	248.4	206.3	163.0	47.5
15°	593.6	587.5	571.3	537.9	497.7	448.7	389.2	326.9	263.4	202.3	45.2
17.5°	702.0	692.6	671.7	639.0	592.7	529.2	459.6	383.6	306.2	230.2	41.2
20°	763.7	758.7	742.7	710.0	659.5	590.1	510.8	422.4	333.0	245.1	36.0
22.5°	794.7	791.2	779.4	753.3	706.0	636.2	545.4	442.6	340.8	243.4	30.6
25°	799.2	798.2	788.1	768.4	728.8	659.7	560.5	446.4	334.4	229.8	25.4
27.5°	814.7	811.4	799.4	779.6	739.9	663.7	555.3	433.5	314.0	205.8	21.2
30°	833.0	830.7	818.7	798.2	751.2	659.9	536.9	404.8	281.3	175.0	15.8
32.5°	831.6	830.7	820.6	798.9	743.2	637.8	504.2	361.7	236.8	138.1	9.9
35°	821.0	817.7	805.0	771.7	697.6	580.9	442.2	303.4	187.4	103.0	6.4
37.5°	795.6	788.6	767.2	710.5	616.0	493.2	360.1	234.2	132.6	68.9	4.0
40°	728.6	719.7	676.6	608.2	509.2	388.5	267.9	161.1	87.5	42.1	1.6
42.5°	604.4	586.3	543.3	473.0	380.1	274.7	175.9	104.4	51.5	25.4	0.5
45°	449.0	435.1	389.9	326.2	249.1	176.2	106.5	56.4	28.5	15.5	0.2
47.5°	261.5	253.1	229.8	187.9	137.6	92.4	54.6	30.3	16.7	7.5	0.2
50°	136.9	126.3	108.7	82.3	60.7	42.6	26.6	16.2	8.2	2.4	0.2
52.5°	48.0	47.3	43.0	32.5	26.3	19.1	12.9	7.1	2.4	0.5	0.2
55°	6.8	6.8	6.4	7.1	7.5	6.8	4.5	1.9	0.5	0.2	0.2
57.5°	0.5	0.5	0.5	0.7	0.9	0.9	0.7	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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°	27.5	27.5	27.5	27.5	27.5
2.5°	27.3	21.9	17.4	15.3	14.6
5°	25.6	16.5	10.8	8.5	8.0
7.5°	22.8	11.8	6.6	4.7	4.5
10°	20.0	8.5	4.0	2.8	2.6
12.5°	16.7	5.9	2.6	1.6	1.4
15°	13.9	4.0	1.4	1.2	0.9
17.5°	11.1	2.6	0.9	0.7	0.9
20°	8.7	1.6	0.5	0.5	0.5
22.5°	6.6	0.9	0.5	0.5	0.5
25°	4.7	0.5	0.2	0.2	0.5
27.5°	3.3	0.2	0.2	0.2	0.5
30°	1.9	0.2	0.2	0.2	0.5
32.5°	0.9	0.2	0.2	0.5	0.5
35°	0.5	0.2	0.2	0.5	0.5
37.5°	0.2	0.2	0.2	0.5	0.7
40°	0.2	0.2	0.5	0.7	0.7
42.5°	0.2	0.2	0.5	0.7	0.9
45°	0.2	0.5	0.7	0.9	1.2
47.5°	0.5	0.5	0.9	1.2	1.4
50°	0.5	0.7	0.9	1.4	1.4
52.5°	0.5	0.7	1.2	1.4	1.6
55°	0.5	0.9	1.2	1.6	1.6
57.5°	0.7	0.9	1.2	1.6	1.6
60°	0.7	0.9	1.2	1.6	1.6
62.5°	0.7	0.9	1.2	1.6	1.6
65°	0.7	0.9	1.2	1.6	1.6
67.5°	0.7	0.9	1.2	1.4	1.6
70°	0.7	0.9	1.2	1.4	1.4
72.5°	0.9	0.9	1.2	1.4	1.4
75°	0.7	0.9	0.9	1.2	1.2
77.5°	0.7	0.7	0.7	0.9	0.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.5	0.5	0.7	0.7
85°	0.7	0.5	0.2	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)