

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: P1338467

Luminaire Tested: P3A05R359827DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338467
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: P3A05R359827DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

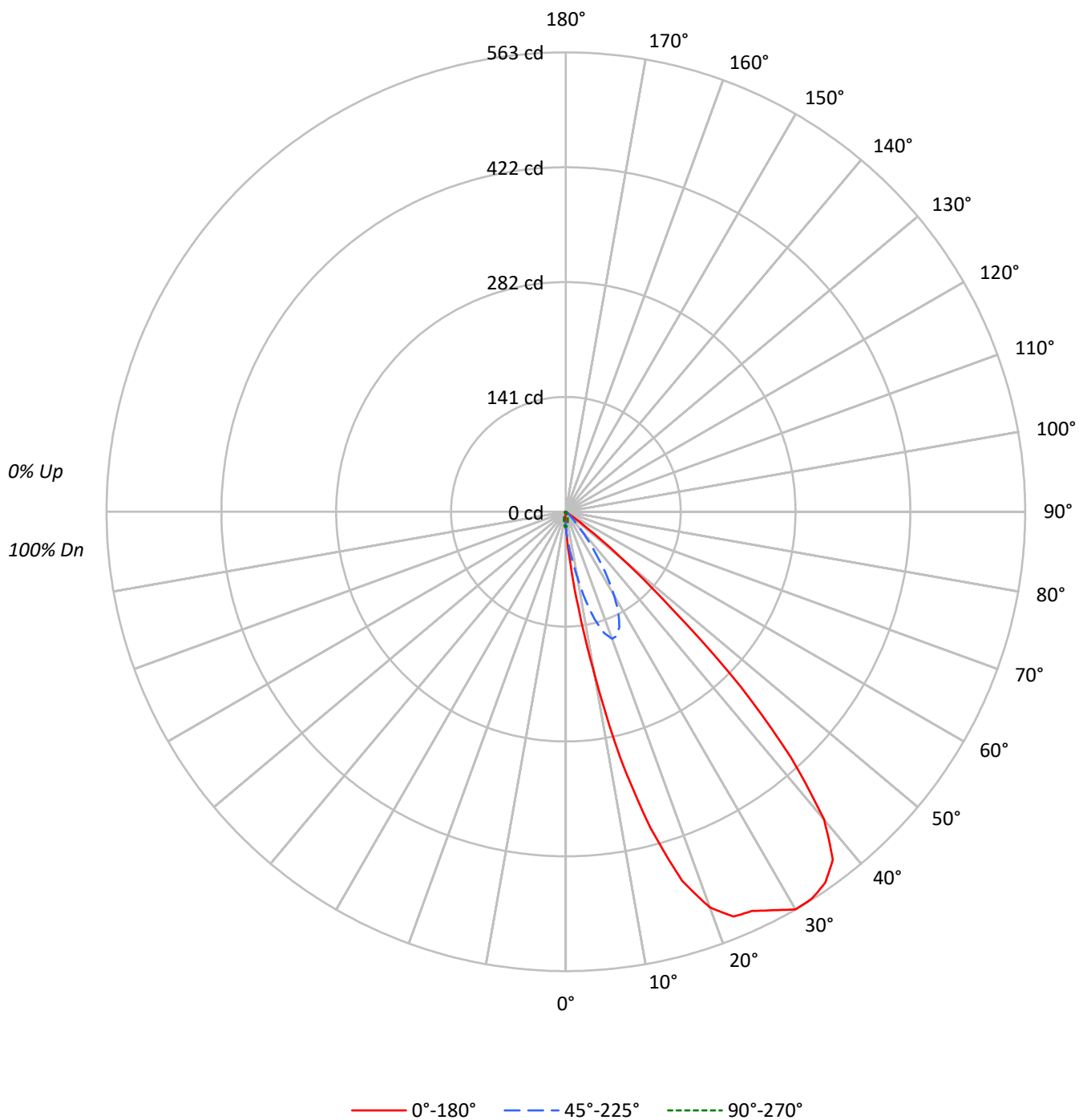
Lumens per Lamp: N/A
Luminaire Lumens: 177.1 lumens
Efficiency: N/A
Efficacy: 24.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70	66	62	60
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43		52	46	42		51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4079	4079	4079	4079	4079
5°	13889	9025	3808	1607	1189
10°	44689	18281	3006	601	379
15°	91033	31010	2134	227	136
20°	120387	38643	1377	70	70
25°	130629	37551	774	48	73
30°	142503	29929	329	51	76
35°	148489	18631	80	54	80
40°	140893	8130	57	86	143
45°	94056	3256	62	155	248
50°	31555	546	102	205	341
55°	1759	76	115	306	421
60°	132	88	219	351	482
65°	156	104	259	415	571
70°	128	128	321	513	641
75°	169	169	424	508	678
80°	0	253	631	631	631
85°	0	503	1258	503	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94056 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	1.8
10°-20°	25.4	14.4
20°-30°	53.7	30.3
30°-40°	60.9	34.4
40°-50°	30.0	16.9
50°-60°	2.6	1.5
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°	82.3	46.5
0°-40°	143.2	80.9
0°-60°	175.8	99.3
0°-90°	177.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	177.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	19	19	19	19	19	
5°	63	41	17	7	5	10
15°	401	137	9	1	1	114
25°	540	155	3	0	0	251
35°	555	70	0	0	0	342
45°	303	10	0	0	1	224
55°	5	0	0	1	1	18
65°	0	0	0	1	1	0
75°	0	0	0	1	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°	35°	40°	45°	67.5°
0°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
2.5°	32.3	33.0	32.7	32.6	32.4	31.8	30.3	30.2	28.8	27.8	23.0
5°	63.1	61.8	62.1	60.4	58.2	55.0	52.9	48.5	44.8	41.0	26.9
7.5°	118.8	117.1	113.8	108.7	103.4	96.6	86.3	78.0	68.5	59.4	29.9
10°	200.7	199.7	195.4	182.4	171.0	152.7	135.5	117.4	99.6	82.1	31.9
12.5°	310.0	303.5	295.7	278.4	255.8	232.9	199.1	167.8	139.3	110.1	32.1
15°	401.0	396.9	385.9	363.4	336.2	303.2	263.0	220.9	178.0	136.6	30.5
17.5°	474.3	467.9	453.8	431.7	400.4	357.5	310.5	259.1	206.9	155.5	27.8
20°	515.9	512.6	501.8	479.7	445.5	398.6	345.1	285.4	225.0	165.6	24.3
22.5°	536.9	534.5	526.5	508.9	477.0	429.8	368.5	299.0	230.2	164.4	20.7
25°	539.9	539.3	532.4	519.1	492.4	445.7	378.6	301.6	225.9	155.2	17.2
27.5°	550.4	548.2	540.1	526.7	499.9	448.4	375.1	292.8	212.1	139.0	14.3
30°	562.8	561.2	553.1	539.3	507.5	445.8	362.7	273.4	190.0	118.2	10.6
32.5°	561.8	561.2	554.4	539.7	502.1	430.9	340.7	244.4	160.0	93.3	6.7
35°	554.7	552.4	543.9	521.3	471.3	392.4	298.7	205.0	126.6	69.6	4.3
37.5°	537.5	532.7	518.3	480.0	416.1	333.2	243.3	158.3	89.6	46.6	2.7
40°	492.2	486.2	457.1	410.9	344.0	262.5	181.0	108.8	59.1	28.4	1.1
42.5°	408.3	396.1	367.0	319.5	256.8	185.6	118.8	70.5	34.8	17.2	0.3
45°	303.3	293.9	263.4	220.4	168.3	119.0	72.0	38.1	19.2	10.5	0.2
47.5°	176.7	171.0	155.2	127.0	92.9	62.4	36.9	20.5	11.3	5.1	0.2
50°	92.5	85.3	73.4	55.6	41.0	28.8	18.0	11.0	5.6	1.6	0.2
52.5°	32.4	31.9	29.1	21.9	17.8	12.9	8.7	4.8	1.6	0.3	0.2
55°	4.6	4.6	4.3	4.8	5.1	4.6	3.0	1.3	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.2	0.2	0.2	0.3
60°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
62.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
65°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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):

	90°	112.5°	135°	157.5°	180°
0°	18.6	18.6	18.6	18.6	18.6
2.5°	18.4	14.8	11.8	10.3	9.9
5°	17.3	11.1	7.3	5.7	5.4
7.5°	15.4	7.9	4.4	3.2	3.0
10°	13.5	5.7	2.7	1.9	1.7
12.5°	11.3	4.0	1.7	1.1	1.0
15°	9.4	2.7	1.0	0.8	0.6
17.5°	7.5	1.7	0.6	0.5	0.6
20°	5.9	1.1	0.3	0.3	0.3
22.5°	4.4	0.6	0.3	0.3	0.3
25°	3.2	0.3	0.2	0.2	0.3
27.5°	2.2	0.2	0.2	0.2	0.3
30°	1.3	0.2	0.2	0.2	0.3
32.5°	0.6	0.2	0.2	0.3	0.3
35°	0.3	0.2	0.2	0.3	0.3
37.5°	0.2	0.2	0.2	0.3	0.5
40°	0.2	0.2	0.3	0.5	0.5
42.5°	0.2	0.2	0.3	0.5	0.6
45°	0.2	0.3	0.5	0.6	0.8
47.5°	0.3	0.3	0.6	0.8	1.0
50°	0.3	0.5	0.6	1.0	1.0
52.5°	0.3	0.5	0.8	1.0	1.1
55°	0.3	0.6	0.8	1.1	1.1
57.5°	0.5	0.6	0.8	1.1	1.1
60°	0.5	0.6	0.8	1.1	1.1
62.5°	0.5	0.6	0.8	1.1	1.1
65°	0.5	0.6	0.8	1.1	1.1
67.5°	0.5	0.6	0.8	1.0	1.1
70°	0.5	0.6	0.8	1.0	1.0
72.5°	0.6	0.6	0.8	1.0	1.0
75°	0.5	0.6	0.6	0.8	0.8
77.5°	0.5	0.5	0.5	0.6	0.6
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.3	0.3	0.5	0.5
85°	0.5	0.3	0.2	0.3	0.3
87.5°	0.3	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)