

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: P1339011

Luminaire Tested: P3A05R409835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

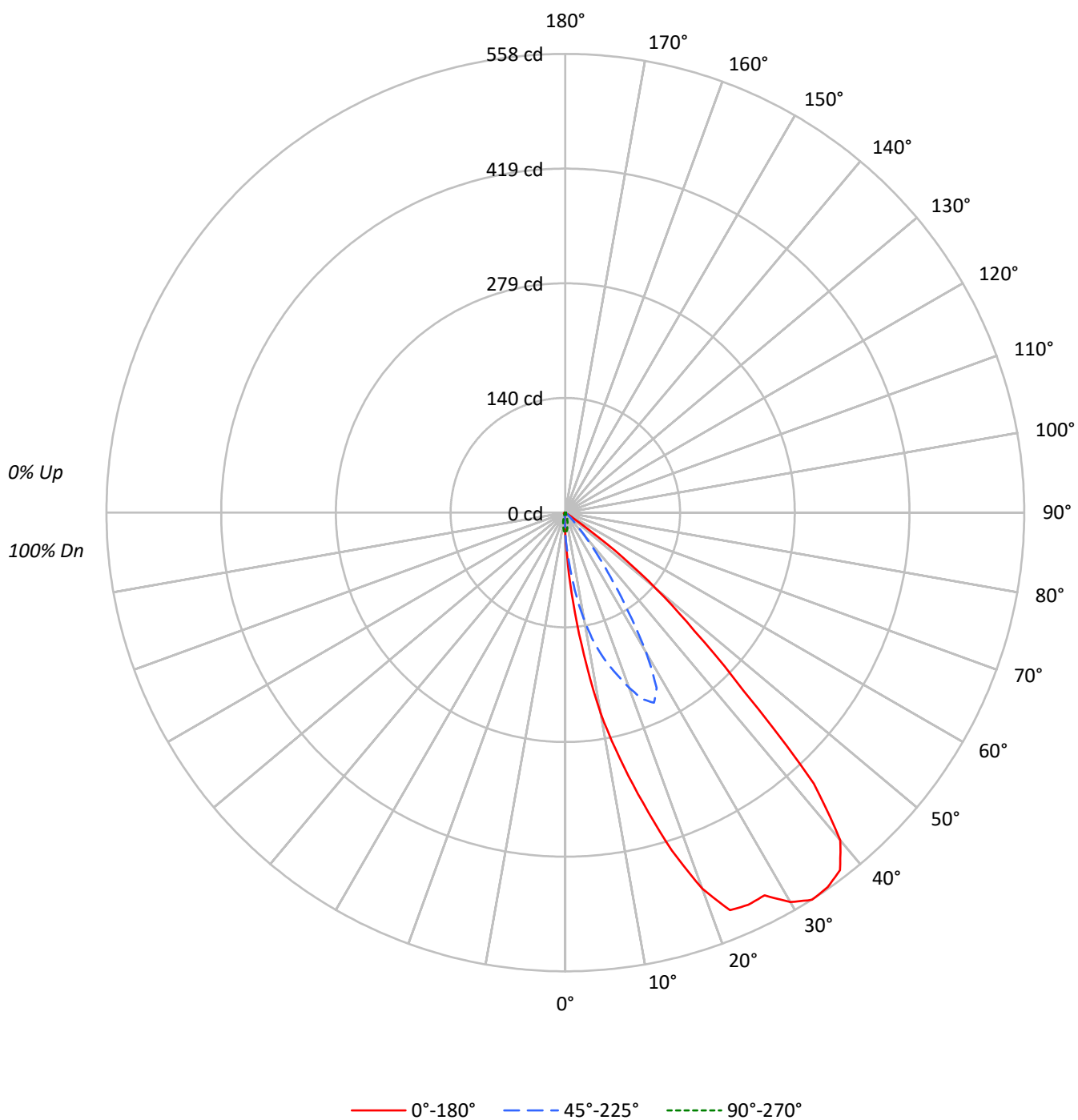
Lumens per Lamp: N/A
Luminaire Lumens: 206.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 2.52 / 0.41 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	97	96		96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70		78	73	69		76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63		71	66	62		70	65	62	60
6	80	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	75	64	57	52	74	63	56	52	62	56	51		61	55	51		59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5350	5350	5350	5350	5350
5°	24103	15364	4799	1849	1343
10°	55287	29703	3362	668	512
15°	82974	42134	2089	363	318
20°	113597	52808	1213	210	233
25°	127338	61721	629	169	218
30°	138502	49805	253	127	228
35°	148864	25484	80	187	268
40°	148908	10162	57	200	344
45°	95080	3411	93	310	496
50°	49363	409	171	409	580
55°	4244	76	191	535	726
60°	132	88	219	614	833
65°	156	104	363	623	882
70°	128	128	449	641	898
75°	169	169	424	763	1017
80°	253	253	631	631	884
85°	0	503	1258	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95080 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	2.3
10°-20°	27.9	13.5
20°-30°	61.1	29.6
30°-40°	69.6	33.8
40°-50°	36.7	17.8
50°-60°	4.3	2.1
60°-70°	0.8	0.4
70°-80°	0.6	0.3
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°	93.7	45.5
0°-40°	163.3	79.3
0°-60°	204.3	99.2
0°-90°	206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	24	24	24	24	24	
5°	110	70	22	8	6	15
15°	366	186	9	2	1	108
25°	526	255	3	1	1	243
35°	556	95	0	1	1	345
45°	307	11	0	1	2	247
55°	11	0	0	1	2	35
65°	0	0	1	1	2	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°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
2.5°	54.3	54.3	54.1	52.6	52.4	52.2	49.4	48.8	45.4	43.2	32.9
5°	109.5	107.1	106.9	104.1	99.4	93.1	89.1	82.7	76.4	69.8	40.6
7.5°	174.5	176.5	170.8	167.8	157.4	149.9	138.4	128.3	114.2	101.0	46.8
10°	248.3	244.6	238.9	233.1	221.8	208.4	191.3	173.4	153.0	133.4	50.3
12.5°	305.9	301.2	297.7	289.9	278.7	261.5	241.1	217.1	190.1	161.7	50.1
15°	365.5	360.8	352.9	346.0	329.4	310.1	288.0	256.3	223.2	185.6	46.5
17.5°	430.9	424.8	416.1	405.5	389.5	368.1	340.0	301.4	254.5	205.1	39.9
20°	486.8	483.1	474.4	461.9	446.2	425.3	393.0	350.1	293.0	226.3	31.7
22.5°	523.4	520.1	514.1	503.2	491.3	469.0	439.4	392.4	325.2	245.7	24.0
25°	526.3	524.9	523.4	519.7	512.6	496.7	467.8	417.2	345.3	255.1	17.8
27.5°	524.8	524.2	523.9	522.0	517.3	501.6	472.0	420.8	342.6	240.4	13.1
30°	547.0	545.5	544.6	538.3	526.0	501.8	463.1	401.1	304.5	196.7	9.4
32.5°	558.4	558.0	557.1	551.1	533.6	502.1	448.2	353.6	241.5	142.1	6.4
35°	556.1	554.4	551.2	539.9	515.7	476.2	399.8	282.4	174.3	95.2	4.2
37.5°	548.4	544.4	538.3	518.0	485.8	431.8	324.2	207.9	118.6	61.6	2.4
40°	520.2	514.8	505.3	480.4	438.1	355.9	239.7	140.5	77.8	35.5	0.7
42.5°	447.3	440.3	433.4	405.5	357.1	265.3	157.7	86.9	44.4	19.5	0.2
45°	306.6	297.9	288.3	268.1	229.3	160.7	93.8	48.9	23.0	11.0	0.2
47.5°	212.9	208.9	192.2	166.4	127.6	85.1	48.6	24.0	12.2	5.0	0.2
50°	144.7	140.2	120.7	95.8	67.9	40.7	22.3	12.0	5.4	1.2	0.2
52.5°	75.9	70.3	58.0	44.2	27.5	17.1	9.8	5.2	1.6	0.2	0.2
55°	11.1	10.3	8.4	6.8	6.1	4.7	2.8	1.2	0.2	0.2	0.3
57.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.2	0.2	0.2	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3
62.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.5
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	0.3	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.3
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°	24.4	24.4	24.4	24.4	24.4
2.5°	24.0	17.8	13.8	11.8	11.7
5°	21.8	12.7	8.4	6.4	6.1
7.5°	18.5	8.9	4.9	3.5	3.3
10°	15.1	6.1	3.0	2.4	2.3
12.5°	12.0	4.0	2.1	1.9	1.7
15°	9.2	2.6	1.6	1.4	1.4
17.5°	7.0	1.7	1.2	1.2	1.2
20°	5.2	1.2	0.9	1.0	1.0
22.5°	3.7	0.9	0.7	0.9	0.9
25°	2.6	0.7	0.7	0.9	0.9
27.5°	1.7	0.5	0.5	0.7	0.9
30°	1.0	0.3	0.5	0.7	0.9
32.5°	0.5	0.3	0.5	0.9	0.9
35°	0.3	0.5	0.7	0.9	1.0
37.5°	0.2	0.5	0.7	1.0	1.0
40°	0.2	0.5	0.7	1.0	1.2
42.5°	0.3	0.7	0.9	1.2	1.4
45°	0.3	0.7	1.0	1.4	1.6
47.5°	0.3	0.7	1.2	1.6	1.6
50°	0.5	0.9	1.2	1.6	1.7
52.5°	0.5	0.9	1.2	1.7	1.9
55°	0.5	0.9	1.4	1.7	1.9
57.5°	0.5	1.0	1.4	1.7	1.9
60°	0.5	0.9	1.4	1.7	1.9
62.5°	0.7	0.9	1.2	1.7	1.7
65°	0.7	0.9	1.2	1.7	1.7
67.5°	0.7	0.9	1.2	1.6	1.6
70°	0.7	0.9	1.0	1.4	1.4
72.5°	0.7	0.9	1.0	1.2	1.4
75°	0.5	0.7	0.9	1.0	1.2
77.5°	0.5	0.7	0.7	1.0	1.0
80°	0.5	0.5	0.5	0.7	0.7
82.5°	0.5	0.5	0.3	0.5	0.5
85°	0.5	0.3	0.3	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)