

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: P1337495

Luminaire Tested: P3A05R259840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

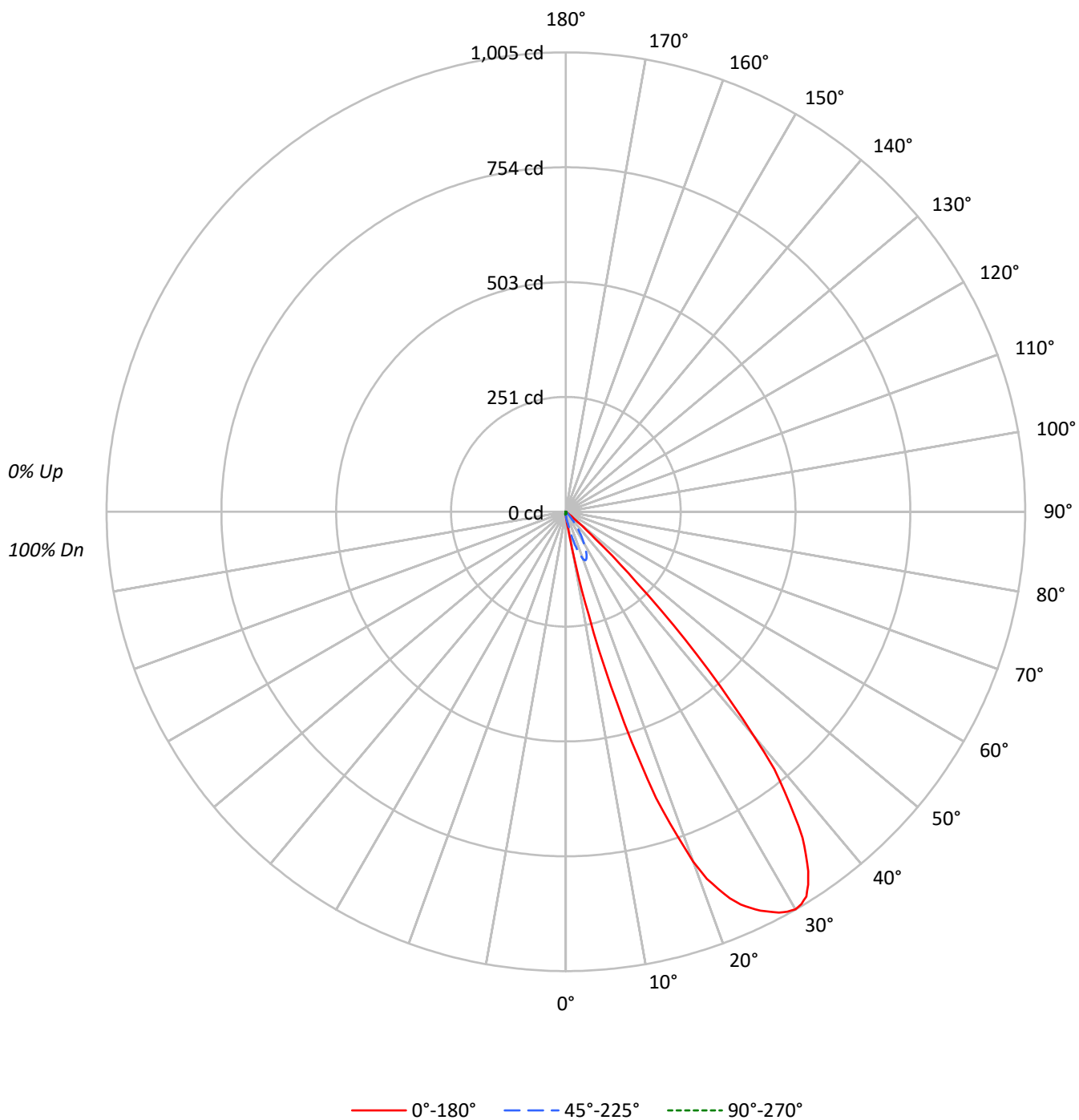
Lumens per Lamp: N/A
Luminaire Lumens: 201.1 lumens
Efficiency: N/A
Efficacy: 27.9 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
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	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	51	50		
8	71	60	52	48	69	59	52	47	58	52	47	57	51	47	56	50	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1886	1886	1886	1886	1886
5°	4755	3500	1783	902	704
10°	20752	5967	1470	423	289
15°	98684	16095	1022	182	136
20°	189973	25786	653	47	47
25°	231352	26010	363	0	0
30°	254368	19902	152	0	0
35°	245126	12662	54	0	0
40°	183172	5467	0	0	57
45°	67821	1458	62	62	186
50°	7983	205	136	136	273
55°	803	0	153	229	344
60°	88	0	263	351	395
65°	104	104	415	467	571
70°	128	128	513	513	705
75°	169	169	508	508	678
80°	0	253	758	505	758
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67821 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	23.4	11.7
20°-30°	73.6	36.6
30°-40°	77.4	38.5
40°-50°	22.8	11.3
50°-60°	1.2	0.6
60°-70°	0.6	0.3
70°-80°	0.5	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°	98.2	48.9
0°-40°	175.7	87.4
0°-60°	199.7	99.3
0°-90°	201.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	22	16	8	4	3	4
15°	435	71	4	1	1	137
25°	956	108	2	0	0	439
35°	916	47	0	0	0	553
45°	219	5	0	0	1	199
55°	2	0	0	1	1	5
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°	45°	67.5°	90°	112.5°
0°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
2.5°	13.3	13.5	12.9	13.3	12.9	12.8	12.6	11.6	10.1	8.6	7.1
5°	21.6	21.6	20.6	20.4	20.1	19.3	18.6	15.9	11.4	8.1	5.6
7.5°	33.8	33.6	33.2	32.3	30.4	28.5	26.6	20.8	12.6	7.5	4.3
10°	93.2	91.9	90.2	80.1	68.6	58.5	49.7	26.8	13.5	6.6	3.2
12.5°	231.6	224.1	206.3	186.0	160.2	133.0	106.3	43.7	13.9	5.4	2.3
15°	434.7	419.1	391.4	350.9	298.0	238.5	187.9	70.9	13.5	4.5	1.7
17.5°	656.4	641.4	602.9	541.4	463.6	372.3	282.6	94.0	12.6	3.8	1.1
20°	814.1	798.2	762.1	696.9	612.7	491.0	372.1	110.5	11.8	2.8	0.6
21°	860.2	844.3	806.2	743.2	654.7	532.6	400.8	113.3	11.3	2.4	0.4
22°	889.5	880.1	839.2	778.1	687.9	566.0	425.3	114.6	10.9	2.3	0.4
23°	918.9	904.9	866.6	802.1	713.2	590.7	443.5	113.6	10.5	1.9	0.2
24°	940.7	928.9	884.4	820.7	730.8	605.9	454.2	111.2	9.9	1.7	0.2
25°	956.2	945.4	899.0	833.2	742.6	614.2	457.6	107.5	9.4	1.5	0.2
26°	971.1	959.2	911.2	840.5	748.8	616.8	454.4	103.3	8.8	1.3	0.0
27°	981.7	969.7	919.7	844.8	749.2	613.6	445.8	97.7	8.3	1.1	0.0
28°	993.2	979.3	925.5	847.3	747.0	606.1	433.4	91.7	7.9	0.9	0.0
29°	1000.1	987.0	931.5	849.9	742.3	593.6	415.4	84.6	6.9	0.6	0.0
30°	1004.6	989.1	930.9	847.1	736.1	580.0	393.8	78.6	6.0	0.6	0.0
31°	1000.9	984.6	924.9	839.2	726.1	562.4	371.7	71.1	4.9	0.4	0.0
32°	992.8	973.5	914.4	825.5	708.3	539.7	348.8	64.9	3.6	0.4	0.0
33°	973.1	956.8	895.5	807.2	685.1	509.0	319.0	58.9	2.4	0.2	0.0
34°	948.4	932.1	869.6	782.6	653.9	469.2	282.8	52.7	2.1	0.2	0.0
35°	915.7	899.6	840.3	748.3	612.7	421.4	245.5	47.3	1.7	0.2	0.0
36°	881.4	860.0	803.4	711.7	557.4	367.0	205.5	41.1	1.3	0.2	0.0
37°	831.0	816.5	753.7	656.0	497.5	314.9	176.5	35.4	0.9	0.2	0.0
38°	778.6	765.3	704.0	599.9	430.8	263.3	147.8	30.0	0.8	0.0	0.0
39°	724.6	702.5	641.9	528.1	360.8	220.5	124.3	25.1	0.4	0.0	0.0
40°	639.9	623.0	558.3	441.8	298.6	178.7	106.0	19.1	0.4	0.0	0.0
42.5°	424.2	408.5	340.6	239.7	158.7	104.5	70.0	7.5	0.0	0.2	0.0
45°	218.7	208.7	169.5	125.5	90.0	64.1	45.0	4.7	0.0	0.2	0.2
47.5°	86.8	85.1	76.9	66.4	51.2	38.1	24.6	2.1	0.0	0.2	0.2
50°	23.4	23.6	22.1	20.4	18.6	17.4	10.3	0.6	0.0	0.4	0.2
52.5°	9.9	10.1	9.8	9.2	8.3	6.2	4.1	0.2	0.2	0.4	0.4
55°	2.1	2.3	2.4	2.6	3.0	2.6	1.7	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.0	0.2	0.4	0.6
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.6	0.6
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.8
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8	0.8
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.8
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.8	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.6	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.6	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	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):

	135°	157.5°	180°
0°	8.6	8.6	8.6
2.5°	6.0	5.4	5.3
5°	4.1	3.6	3.2
7.5°	2.8	2.3	2.1
10°	1.9	1.5	1.3
12.5°	1.3	0.8	0.8
15°	0.8	0.6	0.6
17.5°	0.4	0.2	0.2
20°	0.2	0.2	0.2
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.2
39°	0.0	0.2	0.2
40°	0.0	0.2	0.2
42.5°	0.0	0.2	0.4
45°	0.2	0.4	0.6
47.5°	0.4	0.6	0.8
50°	0.4	0.8	0.8
52.5°	0.6	0.8	0.9
55°	0.6	0.9	0.9
57.5°	0.8	0.9	1.1
60°	0.8	0.9	0.9
62.5°	0.8	1.1	1.1
65°	0.9	1.1	1.1
67.5°	0.9	1.1	1.1
70°	0.8	0.9	1.1
72.5°	0.8	0.9	0.9
75°	0.6	0.8	0.8
77.5°	0.6	0.6	0.8
80°	0.4	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.4	0.4	0.4
85°	0.2	0.2	0.2
87.5°	0.2	0.2	0.2
90°	0.0	0.0	0.0

(END OF REPORT)