

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: P1337415

Luminaire Tested: P3A05R259735DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337415
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: P3A05R259735DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

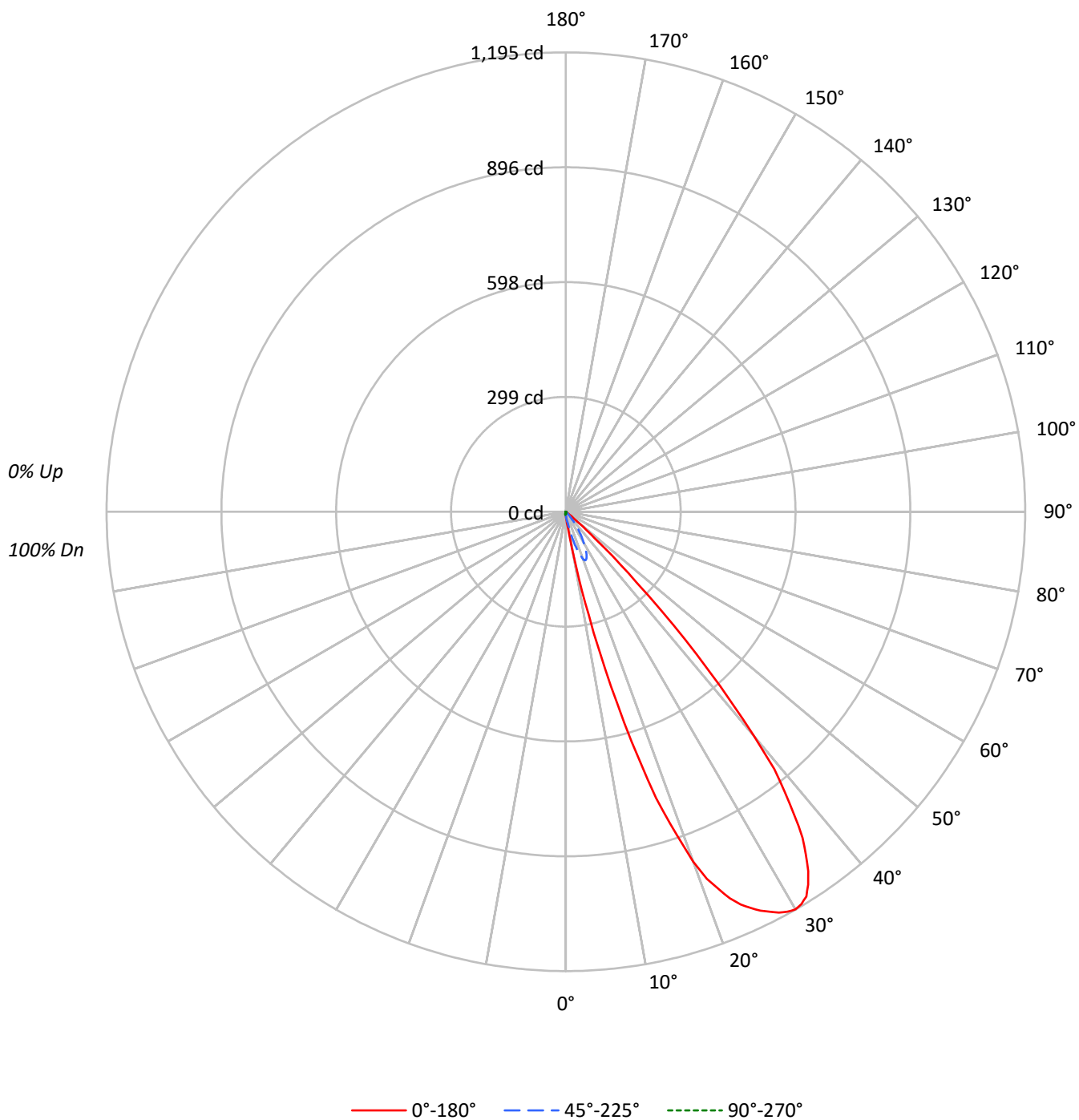
Lumens per Lamp: N/A
Luminaire Lumens: 239.0 lumens
Efficiency: N/A
Efficacy: 33.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2259	2259	2259	2259	2259
5°	5635	4182	2113	1079	836
10°	24671	7103	1737	490	356
15°	117345	19137	1226	204	159
20°	225886	30639	770	47	47
25°	275097	30921	436	0	0
30°	302477	23649	177	0	0
35°	291490	15044	54	0	0
40°	217779	6498	0	0	57
45°	80629	1737	62	62	217
50°	9518	239	136	136	307
55°	956	0	153	268	421
60°	88	0	307	395	482
65°	104	104	467	571	675
70°	128	128	577	577	833
75°	169	169	593	593	763
80°	0	253	884	505	884
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.6
10°-20°	27.9	11.7
20°-30°	87.5	36.6
30°-40°	92.1	38.5
40°-50°	27.0	11.3
50°-60°	1.4	0.6
60°-70°	0.7	0.3
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°	116.8	48.9
0°-40°	208.9	87.4
0°-60°	237.4	99.3
0°-90°	239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	239.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	26	19	10	5	4	5
15°	517	84	5	1	1	163
25°	1137	128	2	0	0	522
35°	1089	56	0	0	0	657
45°	260	6	0	0	1	236
55°	2	0	0	1	1	6
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°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	15.8	16.1	15.4	15.8	15.4	15.2	14.9	13.8	12.0	10.3	8.5
5°	25.6	25.6	24.5	24.3	23.9	23.0	22.1	19.0	13.6	9.6	6.7
7.5°	40.1	39.9	39.5	38.4	36.1	33.9	31.7	24.8	14.9	8.9	5.1
10°	110.8	109.3	107.3	95.2	81.6	69.6	59.1	31.9	16.1	7.8	3.8
12.5°	275.4	266.5	245.3	221.2	190.4	158.1	126.4	52.0	16.5	6.5	2.7
15°	516.9	498.4	465.4	417.2	354.3	283.6	223.4	84.3	16.1	5.4	2.0
17.5°	780.5	762.6	716.9	643.8	551.2	442.6	336.0	111.7	14.9	4.5	1.3
20°	968.0	949.0	906.2	828.6	728.5	583.8	442.4	131.3	14.0	3.3	0.7
21°	1022.9	1003.9	958.6	883.7	778.5	633.3	476.5	134.7	13.4	2.9	0.4
22°	1057.6	1046.5	997.9	925.2	817.9	673.0	505.7	136.2	12.9	2.7	0.4
23°	1092.7	1075.9	1030.4	953.7	848.0	702.4	527.4	135.1	12.5	2.2	0.2
24°	1118.5	1104.5	1051.6	975.8	869.0	720.5	540.1	132.2	11.8	2.0	0.2
25°	1137.0	1124.1	1069.0	990.7	883.0	730.3	544.1	127.8	11.1	1.8	0.2
26°	1154.6	1140.6	1083.5	999.4	890.4	733.4	540.3	122.9	10.5	1.6	0.0
27°	1167.4	1153.1	1093.5	1004.6	890.8	729.6	530.0	116.2	9.8	1.3	0.0
28°	1181.0	1164.5	1100.5	1007.5	888.2	720.7	515.3	109.0	9.4	1.1	0.0
29°	1189.2	1173.6	1107.6	1010.6	882.6	705.8	493.9	100.6	8.3	0.7	0.0
30°	1194.6	1176.0	1106.9	1007.2	875.2	689.7	468.3	93.4	7.1	0.7	0.0
31°	1190.1	1170.7	1099.8	997.9	863.4	668.7	442.0	84.5	5.8	0.4	0.0
32°	1180.5	1157.5	1087.3	981.6	842.2	641.8	414.8	77.2	4.2	0.4	0.0
33°	1157.1	1137.7	1064.8	959.7	814.6	605.2	379.3	70.0	2.9	0.2	0.0
34°	1127.7	1108.3	1034.0	930.5	777.6	557.9	336.3	62.7	2.5	0.2	0.0
35°	1088.9	1069.7	999.2	889.7	728.5	501.1	291.9	56.2	2.0	0.2	0.0
36°	1048.1	1022.6	955.3	846.2	662.7	436.4	244.4	48.8	1.6	0.2	0.0
37°	988.1	970.9	896.2	780.0	591.6	374.4	209.8	42.1	1.1	0.2	0.0
38°	925.9	910.0	837.1	713.3	512.2	313.1	175.7	35.7	0.9	0.0	0.0
39°	861.6	835.3	763.3	627.9	429.0	262.2	147.8	29.9	0.4	0.0	0.0
40°	760.8	740.8	663.8	525.4	355.0	212.5	126.0	22.7	0.4	0.0	0.0
42.5°	504.4	485.7	404.9	285.0	188.6	124.2	83.2	8.9	0.0	0.2	0.0
45°	260.0	248.2	201.6	149.2	107.0	76.3	53.5	5.6	0.0	0.2	0.2
47.5°	103.2	101.2	91.4	78.9	60.9	45.3	29.2	2.5	0.0	0.2	0.2
50°	27.9	28.1	26.3	24.3	22.1	20.7	12.3	0.7	0.0	0.4	0.2
52.5°	11.8	12.0	11.6	10.9	9.8	7.4	4.9	0.2	0.2	0.4	0.4
55°	2.5	2.7	2.9	3.1	3.6	3.1	2.0	0.0	0.2	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.4	0.0	0.2	0.4	0.7
60°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4	0.7	0.7
62.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.9
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.9	0.9
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.9
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.9	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.7	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	0.7	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	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°	10.3	10.3	10.3
2.5°	7.1	6.5	6.2
5°	4.9	4.2	3.8
7.5°	3.3	2.7	2.5
10°	2.2	1.8	1.6
12.5°	1.6	0.9	0.9
15°	0.9	0.7	0.7
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	0.7
47.5°	0.4	0.7	0.9
50°	0.4	0.9	0.9
52.5°	0.7	0.9	1.1
55°	0.7	1.1	1.1
57.5°	0.9	1.1	1.3
60°	0.9	1.1	1.1
62.5°	0.9	1.3	1.3
65°	1.1	1.3	1.3
67.5°	1.1	1.3	1.3
70°	0.9	1.1	1.3
72.5°	0.9	1.1	1.1
75°	0.7	0.9	0.9
77.5°	0.7	0.7	0.9
80°	0.4	0.7	0.7

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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)