

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: P1334841

Luminaire Tested: P3A02R259840DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334841
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: P3A02R259840DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

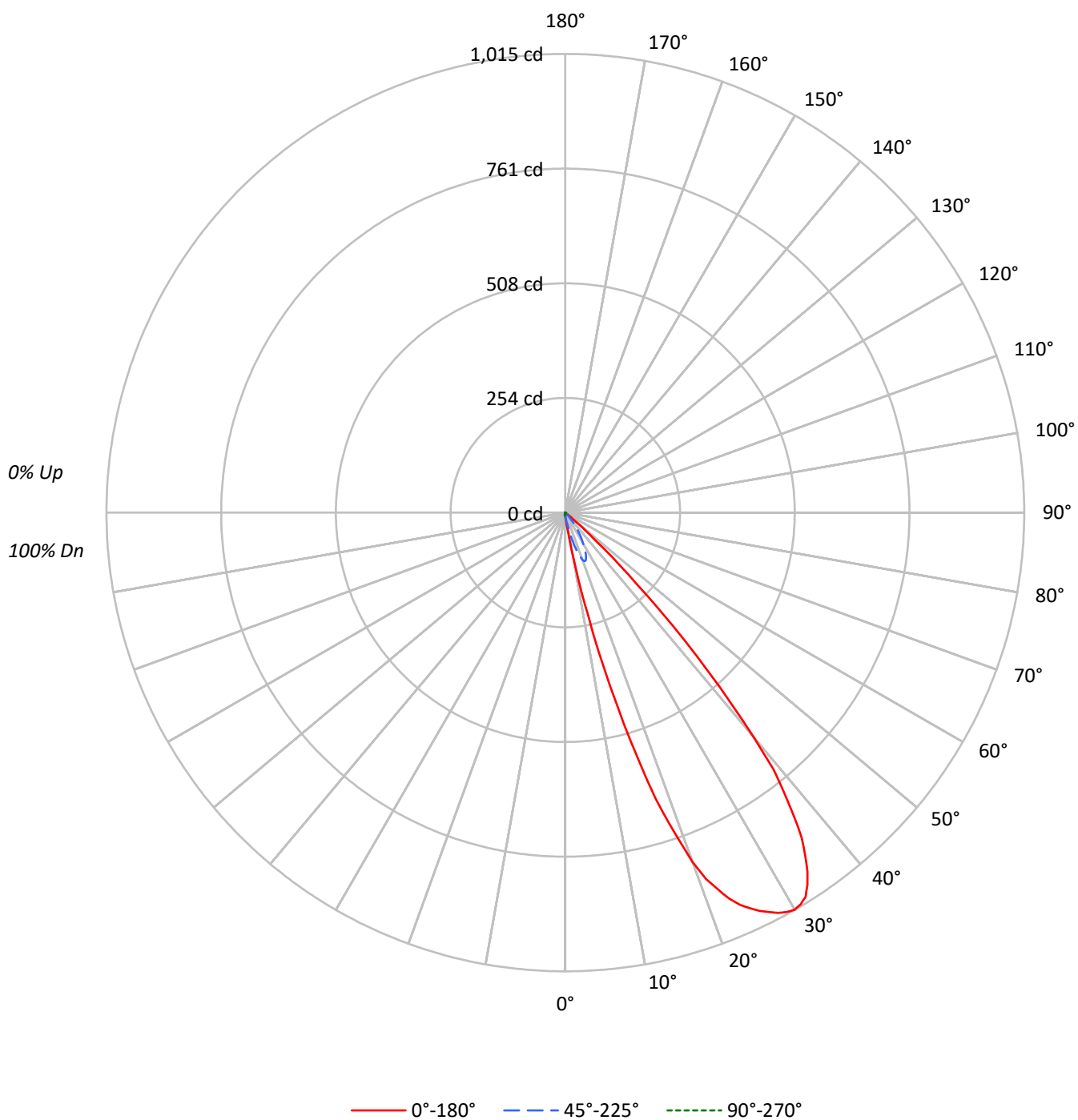
Lumens per Lamp: N/A
Luminaire Lumens: 203.1 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1334841

CATALOG NUMBER: P3A02R259840DE010 E3CA301MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1908	1908	1908	1908	1908
5°	4799	3544	1783	924	704
10°	20953	6034	1470	423	289
15°	99660	16254	1022	182	136
20°	191863	26042	653	47	47
25°	233675	26252	363	0	0
30°	256900	20104	152	0	0
35°	247562	12769	54	0	0
40°	184975	5525	0	0	57
45°	68472	1458	62	62	186
50°	8085	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: 68472 cd/sqm

TEST NUMBER: P1334841

CATALOG NUMBER: P3A02R259840DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.6
10°-20°	23.7	11.7
20°-30°	74.3	36.6
30°-40°	78.2	38.5
40°-50°	23.0	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°	99.2	48.9
0°-40°	177.4	87.4
0°-60°	201.6	99.3
0°-90°	203.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	22	16	8	4	3	4
15°	439	72	4	1	1	138
25°	966	108	2	0	0	443
35°	925	48	0	0	0	558
45°	221	5	0	0	1	201
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	

TEST NUMBER: P1334841

CATALOG NUMBER: P3A02R259840DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	13.4	13.6	13.1	13.4	13.1	12.9	12.7	11.7	10.2	8.7	7.2
5°	21.8	21.8	20.8	20.6	20.3	19.5	18.8	16.1	11.6	8.1	5.7
7.5°	34.1	33.9	33.5	32.6	30.7	28.8	26.9	21.0	12.7	7.6	4.4
10°	94.1	92.8	91.1	80.9	69.3	59.1	50.2	27.1	13.6	6.6	3.2
12.5°	233.9	226.3	208.3	187.9	161.7	134.3	107.4	44.1	14.0	5.5	2.3
15°	439.0	423.3	395.3	354.4	301.0	240.9	189.8	71.6	13.6	4.5	1.7
17.5°	662.9	647.8	608.9	546.8	468.2	376.0	285.4	94.9	12.7	3.8	1.1
20°	822.2	806.1	769.7	703.8	618.8	495.9	375.8	111.6	11.9	2.8	0.6
21°	868.8	852.7	814.2	750.6	661.2	537.9	404.8	114.4	11.4	2.5	0.4
22°	898.3	888.9	847.6	785.8	694.7	571.6	429.6	115.7	11.0	2.3	0.4
23°	928.1	913.9	875.2	810.1	720.3	596.6	447.9	114.8	10.6	1.9	0.2
24°	950.0	938.1	893.2	828.8	738.1	612.0	458.7	112.3	10.0	1.7	0.2
25°	965.8	954.8	908.0	841.5	750.0	620.3	462.1	108.5	9.5	1.5	0.2
26°	980.7	968.8	920.3	848.9	756.3	622.9	458.9	104.4	8.9	1.3	0.0
27°	991.5	979.4	928.8	853.3	756.7	619.7	450.2	98.7	8.3	1.1	0.0
28°	1003.1	989.1	934.7	855.7	754.4	612.1	437.7	92.6	8.0	0.9	0.0
29°	1010.1	996.8	940.8	858.4	749.7	599.5	419.5	85.4	7.0	0.6	0.0
30°	1014.6	998.9	940.2	855.5	743.4	585.8	397.7	79.4	6.1	0.6	0.0
31°	1010.8	994.4	934.1	847.6	733.4	568.0	375.4	71.8	4.9	0.4	0.0
32°	1002.7	983.2	923.5	833.7	715.4	545.1	352.3	65.5	3.6	0.4	0.0
33°	982.8	966.3	904.4	815.2	691.9	514.0	322.2	59.5	2.5	0.2	0.0
34°	957.8	941.3	878.3	790.4	660.4	473.9	285.6	53.2	2.1	0.2	0.0
35°	924.8	908.6	848.7	755.7	618.8	425.6	247.9	47.7	1.7	0.2	0.0
36°	890.2	868.6	811.4	718.8	562.9	370.7	207.6	41.5	1.3	0.2	0.0
37°	839.2	824.7	761.2	662.5	502.5	318.0	178.2	35.8	0.9	0.2	0.0
38°	786.4	772.9	711.0	605.9	435.1	265.9	149.2	30.3	0.8	0.0	0.0
39°	731.8	709.5	648.3	533.4	364.4	222.7	125.6	25.4	0.4	0.0	0.0
40°	646.2	629.2	563.8	446.2	301.5	180.5	107.0	19.3	0.4	0.0	0.0
42.5°	428.4	412.5	344.0	242.1	160.2	105.5	70.6	7.6	0.0	0.2	0.0
45°	220.8	210.8	171.2	126.7	90.9	64.8	45.5	4.7	0.0	0.2	0.2
47.5°	87.7	86.0	77.7	67.0	51.7	38.4	24.8	2.1	0.0	0.2	0.2
50°	23.7	23.9	22.3	20.6	18.8	17.6	10.4	0.6	0.0	0.4	0.2
52.5°	10.0	10.2	9.8	9.3	8.3	6.3	4.2	0.2	0.2	0.4	0.4
55°	2.1	2.3	2.5	2.7	3.0	2.7	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



TEST NUMBER: P1334841

CATALOG NUMBER: P3A02R259840DE010 E3CA301MW

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

TEST NUMBER: P1334841

CATALOG NUMBER: P3A02R259840DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	8.7	8.7	8.7
2.5°	6.1	5.5	5.3
5°	4.2	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

TEST NUMBER: P1334841

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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)