

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: P1335150

Luminaire Tested: P3A02R309835DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309835DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

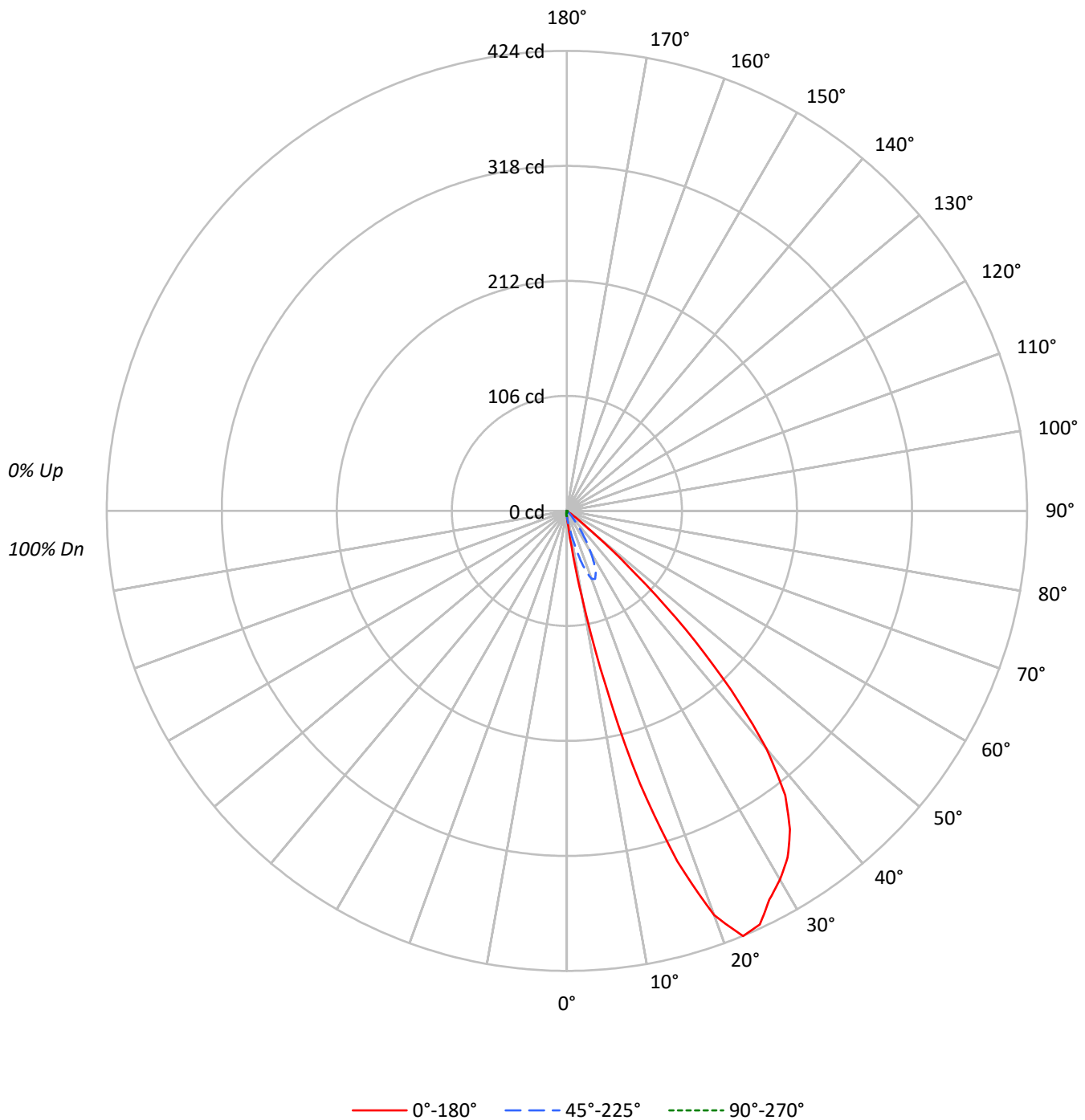
Lumens per Lamp: N/A
Luminaire Lumens: 100.1 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.49 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1335150

CATALOG NUMBER: P3A02R309835DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1335150

CATALOG NUMBER: P3A02R309835DE010 E3A301WMH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1053	1053	1053	1053	1053
5°	3148	2091	991	440	352
10°	18169	4431	779	200	134
15°	59092	10057	545	45	23
20°	92478	15565	350	0	0
25°	101740	15219	169	0	0
30°	99382	10964	76	0	0
35°	95914	6237	27	0	0
40°	81782	2634	0	0	0
45°	48005	992	31	0	31
50°	11667	171	34	34	102
55°	994	0	76	115	153
60°	44	0	88	132	219
65°	52	52	156	156	259
70°	64	64	192	192	256
75°	0	85	254	254	254
80°	0	126	379	253	253
85°	0	252	755	252	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48005 cd/sqm

TEST NUMBER: P1335150

CATALOG NUMBER: P3A02R309835DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.9
10°-20°	13.7	13.7
20°-30°	34.9	34.9
30°-40°	34.8	34.8
40°-50°	14.1	14.1
50°-60°	1.0	1.0
60°-70°	0.2	0.2
70°-80°	0.2	0.2
80°-90°	0.1	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°	49.5	49.5
0°-40°	84.4	84.3
0°-60°	99.5	99.4
0°-90°	100.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	100.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5	5	5	5	5	
5°	14	10	4	2	2	3
15°	260	44	2	0	0	76
25°	420	63	1	0	0	190
35°	358	23	0	0	0	220
45°	155	3	0	0	0	118
55°	3	0	0	0	0	7
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1335150

CATALOG NUMBER: P3A02R309835DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	7.9	7.9	7.9	7.8	7.7	7.7	7.4	7.3	7.0	6.8	5.8
5°	14.3	14.0	13.6	13.6	12.8	12.3	11.7	11.0	10.4	9.5	6.8
7.5°	32.3	30.2	29.5	28.7	25.6	23.1	20.3	17.8	15.5	13.6	7.5
10°	81.6	77.3	73.7	66.5	57.5	48.8	40.8	31.4	25.0	19.9	8.0
12.5°	164.4	158.6	151.8	138.6	121.7	100.1	80.9	60.4	42.4	29.3	8.2
15°	260.3	250.6	239.9	223.1	195.5	164.4	129.8	97.1	68.1	44.3	8.0
17.5°	338.6	334.7	318.9	296.1	262.2	222.1	179.5	134.9	91.8	58.0	7.5
20°	396.3	393.7	374.6	350.2	312.1	266.2	212.0	158.4	108.4	66.7	6.7
22.5°	424.2	423.7	409.9	385.1	344.6	292.6	232.9	172.1	113.5	67.9	5.6
25°	420.5	422.2	414.3	395.8	357.0	303.5	239.1	172.1	109.7	62.9	4.7
27.5°	403.9	405.0	400.0	385.9	349.7	295.6	230.5	161.0	98.9	54.0	3.8
30°	392.5	392.9	386.8	371.6	333.3	277.7	210.0	140.5	82.4	43.3	2.8
32.5°	378.6	378.5	371.4	354.0	311.7	252.6	184.0	116.1	63.3	32.9	1.6
35°	358.3	356.0	346.3	326.3	279.5	218.8	150.9	88.5	45.6	23.3	1.0
37.5°	330.4	324.5	310.8	284.0	234.4	171.5	111.8	62.1	31.2	15.4	0.6
40°	285.7	279.4	260.8	228.3	177.3	123.5	75.4	40.5	19.6	9.2	0.4
42.5°	224.1	219.8	194.6	162.2	117.1	78.8	45.3	23.9	11.1	5.3	0.1
45°	154.8	149.2	129.5	102.0	70.3	43.7	25.4	12.5	6.3	3.2	0.0
47.5°	85.4	78.6	67.2	52.8	35.4	22.9	12.8	6.8	3.6	1.6	0.0
50°	34.2	33.9	27.0	19.2	13.5	10.4	6.4	3.7	1.8	0.5	0.1
52.5°	12.0	12.0	10.3	8.4	6.6	4.8	3.2	1.7	0.6	0.2	0.1
55°	2.6	2.9	2.7	2.6	2.5	2.1	1.4	0.6	0.2	0.0	0.1
57.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.0	0.0	0.1
60°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
62.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2
65°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
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: P1335150

CATALOG NUMBER: P3A02R309835DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	4.8	4.8	4.8	4.8	4.8
2.5°	4.8	3.7	3.1	2.7	2.6
5°	4.5	2.8	2.0	1.7	1.6
7.5°	4.0	2.1	1.4	1.1	1.0
10°	3.5	1.6	0.9	0.6	0.6
12.5°	2.9	1.2	0.5	0.3	0.2
15°	2.4	0.7	0.2	0.1	0.1
17.5°	1.8	0.5	0.0	0.0	0.0
20°	1.5	0.2	0.0	0.0	0.0
22.5°	1.1	0.1	0.0	0.0	0.0
25°	0.7	0.0	0.0	0.0	0.0
27.5°	0.5	0.0	0.0	0.0	0.0
30°	0.3	0.0	0.0	0.0	0.0
32.5°	0.1	0.0	0.0	0.0	0.0
35°	0.1	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.1	0.0	0.0	0.1	0.1
47.5°	0.1	0.1	0.1	0.2	0.2
50°	0.1	0.1	0.1	0.2	0.3
52.5°	0.2	0.1	0.2	0.3	0.3
55°	0.2	0.2	0.3	0.4	0.4
57.5°	0.2	0.2	0.3	0.4	0.4
60°	0.2	0.2	0.3	0.4	0.5
62.5°	0.3	0.3	0.3	0.4	0.4
65°	0.3	0.3	0.3	0.4	0.5
67.5°	0.3	0.3	0.3	0.4	0.5
70°	0.3	0.3	0.3	0.4	0.4
72.5°	0.4	0.3	0.3	0.4	0.4
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.2	0.3	0.3
80°	0.3	0.2	0.2	0.2	0.2
82.5°	0.3	0.2	0.2	0.2	0.2
85°	0.3	0.2	0.1	0.1	0.1
87.5°	0.3	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)