

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: P1334713

Luminaire Tested: P3A02R259050DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1334713
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: P3A02R259050DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

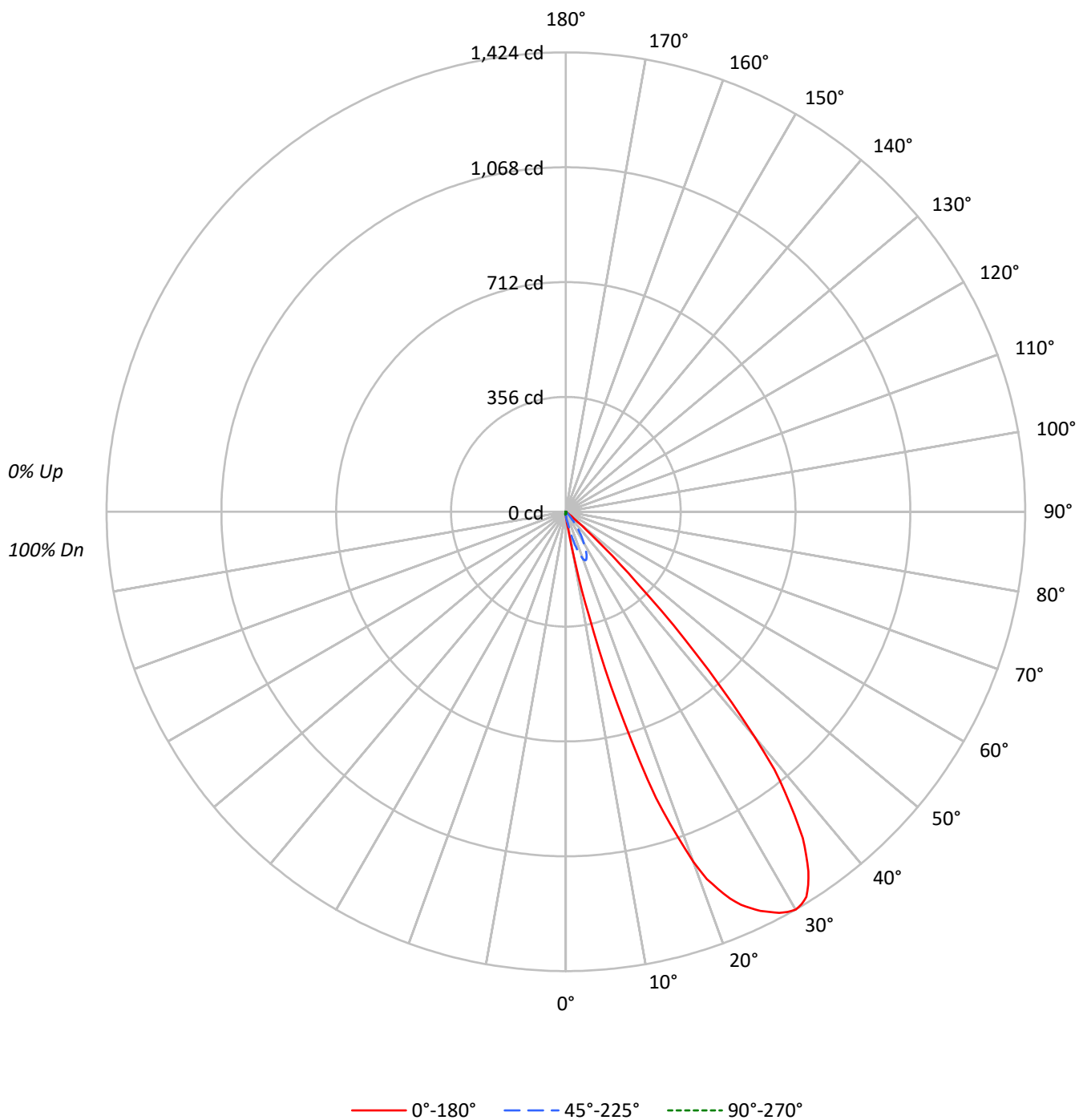
Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1334713

CATALOG NUMBER: P3A02R259050DE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1334713

CATALOG NUMBER: P3A02R259050DE010 E3CA301MW

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	103	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	50	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°	2675	2675	2675	2675	2675
5°	6736	4975	2509	1277	991
10°	29436	8461	2071	601	423
15°	139933	22815	1453	250	182
20°	269360	36543	933	70	70
25°	328059	36873	508	0	0
30°	360688	28207	203	0	0
35°	347572	17935	80	0	0
40°	259715	7757	0	0	86
45°	96134	2047	93	93	248
50°	11326	273	171	171	375
55°	1109	0	191	306	497
60°	132	0	351	482	570
65°	156	156	571	675	830
70°	192	192	705	705	1026
75°	254	254	678	678	932
80°	0	379	1010	631	1010
85°	0	755	2013	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96134 cd/sqm

TEST NUMBER: P1334713

CATALOG NUMBER: P3A02R259050DE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.6
10°-20°	33.2	11.7
20°-30°	104.3	36.6
30°-40°	109.8	38.5
40°-50°	32.3	11.3
50°-60°	1.7	0.6
60°-70°	0.9	0.3
70°-80°	0.7	0.3
80°-90°	0.4	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°	139.3	48.9
0°-40°	249.1	87.4
0°-60°	283.1	99.3
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	31	23	11	6	4	5
15°	616	100	6	1	1	194
25°	1356	152	2	0	0	622
35°	1298	67	0	0	0	784
45°	310	7	0	0	1	282
55°	3	0	0	1	1	7
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1334713

CATALOG NUMBER: P3A02R259050DE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
2.5°	18.9	19.1	18.3	18.9	18.3	18.1	17.8	16.5	14.4	12.2	10.1
5°	30.6	30.6	29.2	29.0	28.5	27.4	26.3	22.6	16.2	11.4	8.0
7.5°	47.9	47.6	47.1	45.7	43.1	40.4	37.8	29.5	17.8	10.6	6.1
10°	132.2	130.3	127.9	113.5	97.3	83.0	70.5	38.0	19.1	9.3	4.5
12.5°	328.4	317.8	292.5	263.8	227.1	188.5	150.8	62.0	19.7	7.7	3.2
15°	616.4	594.3	555.0	497.5	422.5	338.2	266.4	100.5	19.1	6.4	2.4
17.5°	930.7	909.4	854.9	767.7	657.3	527.8	400.7	133.2	17.8	5.3	1.6
20°	1154.3	1131.7	1080.7	988.1	868.7	696.1	527.6	156.6	16.8	4.0	0.8
21°	1219.7	1197.1	1143.1	1053.8	928.3	755.2	568.2	160.6	16.0	3.5	0.5
22°	1261.2	1247.9	1189.9	1103.3	975.4	802.5	603.1	162.5	15.4	3.2	0.5
23°	1303.0	1283.0	1228.8	1137.3	1011.3	837.6	628.9	161.1	14.9	2.7	0.3
24°	1333.8	1317.0	1254.0	1163.6	1036.2	859.2	644.0	157.7	14.1	2.4	0.3
25°	1355.9	1340.4	1274.8	1181.4	1053.0	870.9	648.8	152.4	13.3	2.1	0.3
26°	1376.9	1360.1	1292.0	1191.8	1061.8	874.6	644.3	146.5	12.5	1.9	0.0
27°	1392.0	1375.0	1304.0	1197.9	1062.3	870.1	632.1	138.5	11.7	1.6	0.0
28°	1408.3	1388.6	1312.3	1201.4	1059.1	859.4	614.5	130.0	11.2	1.3	0.0
29°	1418.1	1399.5	1320.8	1205.1	1052.5	841.6	589.0	119.9	9.8	0.8	0.0
30°	1424.5	1402.4	1320.0	1201.1	1043.7	822.5	558.4	111.4	8.5	0.8	0.0
31°	1419.2	1396.0	1311.5	1189.9	1029.6	797.5	527.0	100.8	6.9	0.5	0.0
32°	1407.7	1380.3	1296.6	1170.5	1004.3	765.3	494.6	92.0	5.1	0.5	0.0
33°	1379.8	1356.7	1269.7	1144.5	971.4	721.7	452.3	83.5	3.5	0.3	0.0
34°	1344.7	1321.6	1233.0	1109.6	927.2	665.3	401.0	74.7	2.9	0.3	0.0
35°	1298.4	1275.6	1191.5	1061.0	868.7	597.5	348.1	67.0	2.4	0.3	0.0
36°	1249.8	1219.5	1139.2	1009.1	790.3	520.4	291.4	58.2	1.9	0.3	0.0
37°	1178.2	1157.8	1068.7	930.1	705.5	446.5	250.2	50.3	1.3	0.3	0.0
38°	1104.1	1085.2	998.2	850.6	610.8	373.3	209.5	42.5	1.1	0.0	0.0
39°	1027.5	996.1	910.2	748.8	511.6	312.7	176.3	35.6	0.5	0.0	0.0
40°	907.3	883.3	791.6	626.5	423.3	253.4	150.2	27.1	0.5	0.0	0.0
42.5°	601.5	579.1	482.9	339.8	225.0	148.1	99.2	10.6	0.0	0.3	0.0
45°	310.0	296.0	240.4	177.9	127.6	90.9	63.8	6.6	0.0	0.3	0.3
47.5°	123.1	120.7	109.0	94.1	72.6	54.0	34.8	2.9	0.0	0.3	0.3
50°	33.2	33.5	31.4	29.0	26.3	24.7	14.6	0.8	0.0	0.5	0.3
52.5°	14.1	14.4	13.8	13.0	11.7	8.8	5.8	0.3	0.3	0.5	0.5
55°	2.9	3.2	3.5	3.7	4.3	3.7	2.4	0.0	0.3	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.5	0.0	0.3	0.5	0.8
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5	0.8	0.8
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	1.1
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	1.1	1.1
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	1.1
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.1	0.8
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.8	0.5



TEST NUMBER: P1334713

CATALOG NUMBER: P3A02R259050DE010 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	0.3	0.3	0.5	0.8	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.5
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: P1334713

CATALOG NUMBER: P3A02R259050DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	12.2	12.2	12.2
2.5°	8.5	7.7	7.4
5°	5.8	5.1	4.5
7.5°	4.0	3.2	2.9
10°	2.7	2.1	1.9
12.5°	1.9	1.1	1.1
15°	1.1	0.8	0.8
17.5°	0.5	0.3	0.3
20°	0.3	0.3	0.3
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	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.5
45°	0.3	0.5	0.8
47.5°	0.5	0.8	1.1
50°	0.5	1.1	1.1
52.5°	0.8	1.1	1.3
55°	0.8	1.3	1.3
57.5°	1.1	1.3	1.6
60°	1.1	1.3	1.3
62.5°	1.1	1.6	1.6
65°	1.3	1.6	1.6
67.5°	1.3	1.6	1.6
70°	1.1	1.3	1.6
72.5°	1.1	1.3	1.3
75°	0.8	1.1	1.1
77.5°	0.8	0.8	1.1
80°	0.5	0.8	0.8

TEST NUMBER: P1334713

CATALOG NUMBER: P3A02R259050DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.5	0.5	0.5
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)