

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: P1338303

Luminaire Tested: P3A05R359024DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R359024DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

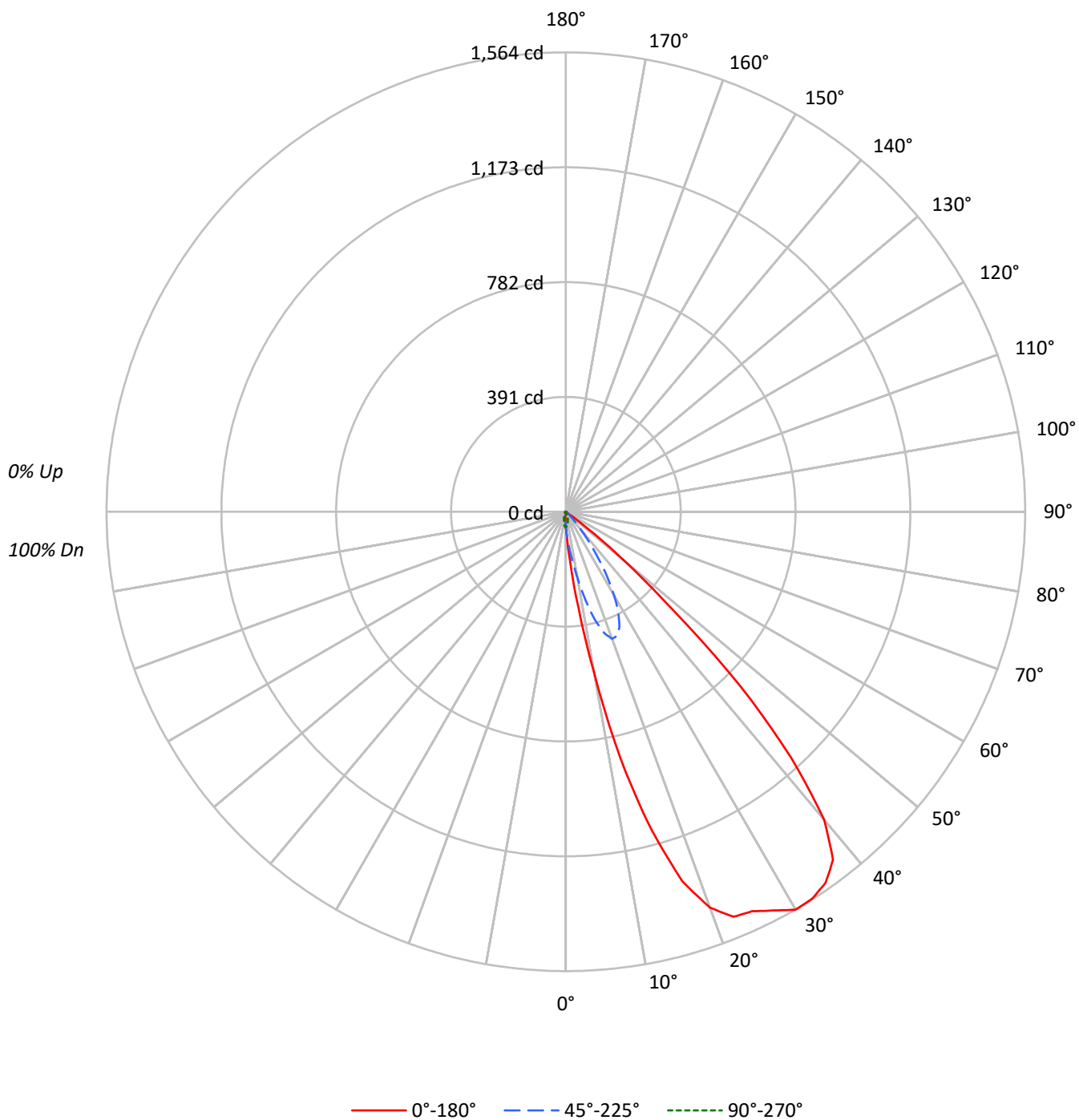
Lumens per Lamp: N/A
Luminaire Lumens: 491.9 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11337	11337	11337	11337	11337
5°	38587	25071	10588	4468	3302
10°	124202	50834	8350	1670	1091
15°	253055	86221	5925	590	409
20°	334629	107389	3804	210	210
25°	363094	104401	2129	97	218
30°	396086	83203	886	101	228
35°	412728	51772	241	107	241
40°	391648	22642	115	258	372
45°	261453	9024	124	403	682
50°	87673	1501	307	614	887
55°	4893	153	344	841	1185
60°	395	175	570	965	1360
65°	467	208	675	1141	1608
70°	256	256	833	1410	1667
75°	339	339	1101	1525	1864
80°	0	505	1642	1642	1642
85°	0	1006	3271	1006	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 261453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	1.8
10°-20°	70.7	14.4
20°-30°	149.1	30.3
30°-40°	169.2	34.4
40°-50°	83.3	16.9
50°-60°	7.2	1.5
60°-70°	1.5	0.3
70°-80°	1.3	0.3
80°-90°	0.7	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°	228.8	46.5
0°-40°	398.0	80.9
0°-60°	488.5	99.3
0°-90°	491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	175	114	48	20	15	29
15°	1115	380	26	3	2	317
25°	1501	432	9	0	1	698
35°	1542	193	1	0	1	950
45°	843	29	0	1	2	623
55°	13	0	1	2	3	50
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	89.7	91.9	91.0	90.5	90.1	88.3	84.4	83.9	79.9	77.3	64.0
5°	175.3	171.8	172.7	167.8	161.6	152.8	147.1	134.7	124.5	113.9	74.6
7.5°	330.4	325.5	316.2	302.1	287.5	268.5	239.8	216.9	190.4	165.2	83.0
10°	557.8	555.2	543.2	507.0	475.2	424.4	376.7	326.4	276.9	228.3	88.8
12.5°	861.7	843.6	821.9	773.8	711.1	647.5	553.4	466.4	387.3	306.1	89.2
15°	1114.7	1103.2	1072.8	1010.1	934.5	842.7	730.9	613.9	494.6	379.8	84.8
17.5°	1318.3	1300.7	1261.4	1200.0	1113.0	993.7	863.0	720.3	575.0	432.4	77.3
20°	1434.0	1424.8	1394.7	1333.3	1238.4	1108.1	959.3	793.2	625.4	460.2	67.6
22.5°	1492.3	1485.7	1463.6	1414.6	1325.8	1194.7	1024.2	831.2	640.0	457.1	57.4
25°	1500.7	1499.0	1480.0	1442.9	1368.7	1238.8	1052.5	838.3	628.0	431.5	47.7
27.5°	1529.9	1523.7	1501.2	1464.1	1389.4	1246.3	1042.7	814.0	589.6	386.4	39.7
30°	1564.3	1559.9	1537.4	1499.0	1410.6	1239.3	1008.3	760.1	528.2	328.6	29.6
32.5°	1561.7	1559.9	1540.9	1500.3	1395.6	1197.8	946.9	679.3	444.7	259.2	18.5
35°	1541.8	1535.6	1511.8	1449.1	1309.9	1090.9	830.3	569.7	352.0	193.4	11.9
37.5°	1494.1	1480.9	1440.7	1334.2	1156.7	926.1	676.2	439.9	249.1	129.4	7.5
40°	1368.2	1351.4	1270.6	1142.1	956.2	729.6	503.0	302.5	164.3	79.1	3.1
42.5°	1135.0	1101.0	1020.2	888.2	713.7	515.8	330.4	196.1	96.7	47.7	0.9
45°	843.1	817.1	732.3	612.6	467.7	330.8	200.1	106.0	53.4	29.1	0.4
47.5°	491.1	475.2	431.5	352.9	258.4	173.6	102.5	57.0	31.4	14.1	0.4
50°	257.0	237.2	204.0	154.6	113.9	79.9	49.9	30.5	15.5	4.4	0.4
52.5°	90.1	88.8	80.8	60.9	49.5	35.8	24.3	13.2	4.4	0.9	0.4
55°	12.8	12.8	11.9	13.2	14.1	12.8	8.4	3.5	0.9	0.4	0.4
57.5°	0.9	0.9	0.9	1.3	1.8	1.8	1.3	0.4	0.4	0.4	0.9
60°	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
62.5°	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
65°	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
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):

	90°	112.5°	135°	157.5°	180°
0°	51.7	51.7	51.7	51.7	51.7
2.5°	51.2	41.1	32.7	28.7	27.4
5°	48.1	30.9	20.3	15.9	15.0
7.5°	42.8	22.1	12.4	8.8	8.4
10°	37.5	15.9	7.5	5.3	4.9
12.5°	31.4	11.0	4.9	3.1	2.6
15°	26.1	7.5	2.6	2.2	1.8
17.5°	20.8	4.9	1.8	1.3	1.8
20°	16.3	3.1	0.9	0.9	0.9
22.5°	12.4	1.8	0.9	0.9	0.9
25°	8.8	0.9	0.4	0.4	0.9
27.5°	6.2	0.4	0.4	0.4	0.9
30°	3.5	0.4	0.4	0.4	0.9
32.5°	1.8	0.4	0.4	0.9	0.9
35°	0.9	0.4	0.4	0.9	0.9
37.5°	0.4	0.4	0.4	0.9	1.3
40°	0.4	0.4	0.9	1.3	1.3
42.5°	0.4	0.4	0.9	1.3	1.8
45°	0.4	0.9	1.3	1.8	2.2
47.5°	0.9	0.9	1.8	2.2	2.6
50°	0.9	1.3	1.8	2.6	2.6
52.5°	0.9	1.3	2.2	2.6	3.1
55°	0.9	1.8	2.2	3.1	3.1
57.5°	1.3	1.8	2.2	3.1	3.1
60°	1.3	1.8	2.2	3.1	3.1
62.5°	1.3	1.8	2.2	3.1	3.1
65°	1.3	1.8	2.2	3.1	3.1
67.5°	1.3	1.8	2.2	2.6	3.1
70°	1.3	1.8	2.2	2.6	2.6
72.5°	1.8	1.8	2.2	2.6	2.6
75°	1.3	1.8	1.8	2.2	2.2
77.5°	1.3	1.3	1.3	1.8	1.8
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	0.9	0.9	1.3	1.3
85°	1.3	0.9	0.4	0.9	0.9
87.5°	0.9	0.9	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)