

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: P1338431

Luminaire Tested: P3A05R359730DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338431
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: P3A05R359730DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

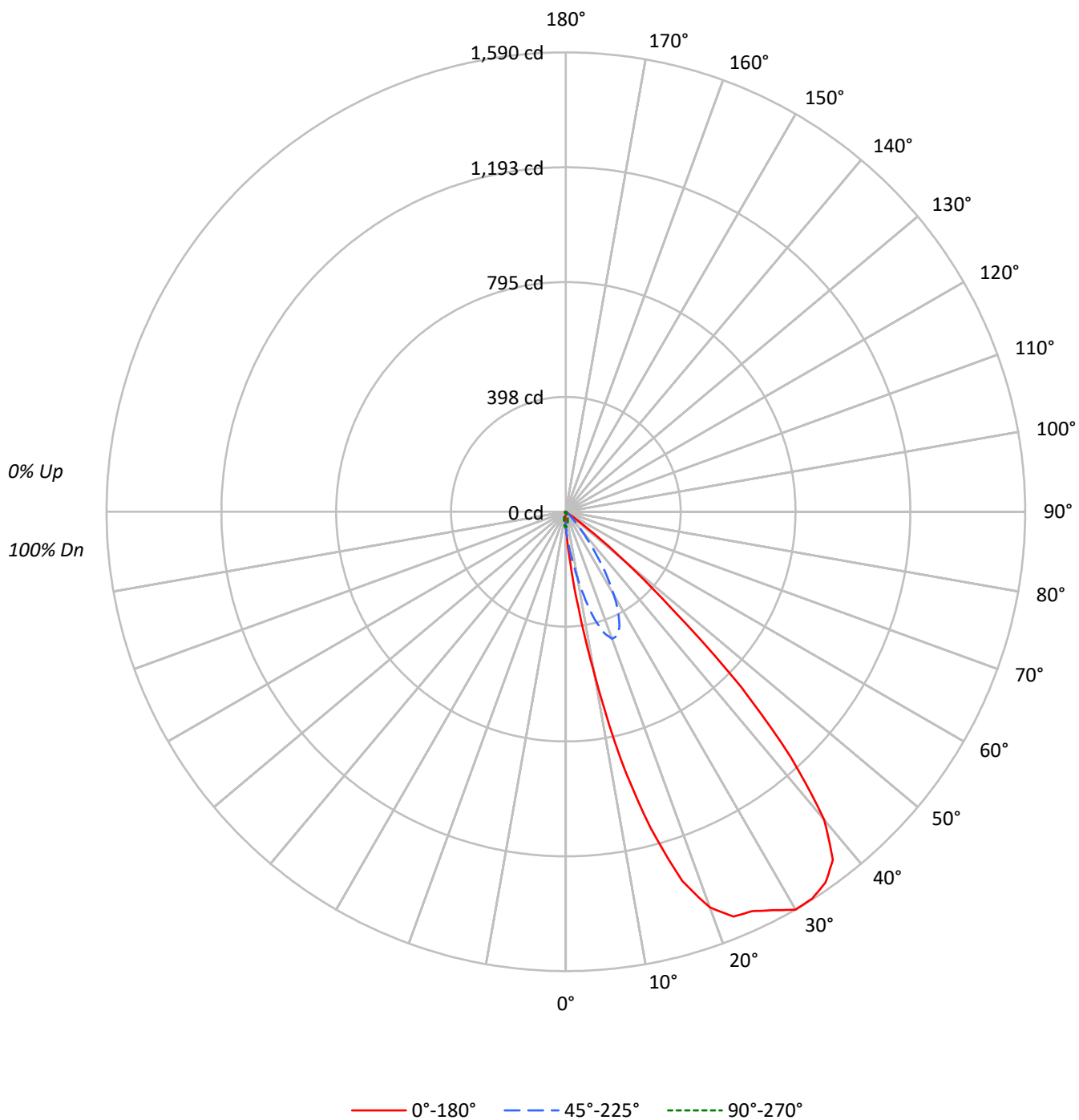
Lumens per Lamp: N/A
Luminaire Lumens: 499.9 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	11512	11512	11512	11512	11512
5°	39225	25490	10764	4534	3368
10°	126228	51658	8506	1692	1091
15°	257186	87628	6016	613	409
20°	340090	109139	3874	210	210
25°	368997	106095	2178	97	218
30°	402543	84545	912	101	228
35°	419447	52628	241	107	241
40°	398031	22986	115	258	372
45°	265702	9179	124	403	682
50°	89106	1535	307	614	921
55°	4970	153	344	841	1185
60°	395	175	570	965	1360
65°	467	208	675	1141	1608
70°	256	256	833	1410	1731
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: 265702 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	1.8
10°-20°	71.8	14.4
20°-30°	151.6	30.3
30°-40°	172.0	34.4
40°-50°	84.6	16.9
50°-60°	7.3	1.5
60°-70°	1.5	0.3
70°-80°	1.4	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°	232.5	46.5
0°-40°	404.4	80.9
0°-60°	496.4	99.3
0°-90°	499.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	178	116	49	21	15	29
15°	1133	386	26	3	2	322
25°	1525	438	9	0	1	710
35°	1567	197	1	0	1	966
45°	857	30	0	1	2	633
55°	13	0	1	2	3	51
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°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
2.5°	91.1	93.4	92.5	92.0	91.6	89.8	85.7	85.3	81.2	78.5	65.1
5°	178.2	174.6	175.5	170.6	164.3	155.3	149.5	136.9	126.6	115.8	75.9
7.5°	335.7	330.8	321.4	307.0	292.2	272.9	243.7	220.4	193.4	167.9	84.4
10°	566.9	564.2	552.1	515.3	482.9	431.3	382.9	331.7	281.4	232.0	90.2
12.5°	875.7	857.3	835.3	786.4	722.6	658.0	562.4	474.0	393.6	311.0	90.7
15°	1132.9	1121.2	1090.2	1026.5	949.7	856.4	742.8	623.9	502.7	386.0	86.2
17.5°	1339.8	1321.8	1281.9	1219.5	1131.1	1009.9	877.0	732.0	584.4	439.4	78.5
20°	1457.4	1447.9	1417.4	1355.0	1258.5	1126.1	974.9	806.1	635.5	467.7	68.7
22.5°	1516.6	1509.9	1487.4	1437.6	1347.4	1214.1	1040.8	844.7	650.4	464.5	58.3
25°	1525.1	1523.3	1504.0	1466.3	1390.9	1259.0	1069.6	851.9	638.2	438.5	48.5
27.5°	1554.8	1548.5	1525.6	1487.9	1412.0	1266.6	1059.7	827.2	599.2	392.7	40.4
30°	1589.8	1585.3	1562.4	1523.3	1433.6	1259.4	1024.7	772.4	536.8	333.9	30.1
32.5°	1587.1	1585.3	1566.0	1524.7	1418.3	1217.2	962.3	690.3	452.0	263.5	18.9
35°	1566.9	1560.6	1536.3	1472.6	1331.2	1108.6	843.8	579.0	357.7	196.6	12.1
37.5°	1518.4	1504.9	1464.1	1355.9	1175.5	941.2	687.2	447.0	253.1	131.5	7.6
40°	1390.5	1373.4	1291.3	1160.7	971.7	741.5	511.2	307.4	167.0	80.3	3.1
42.5°	1153.5	1118.9	1036.8	902.6	725.3	524.2	335.7	199.3	98.3	48.5	0.9
45°	856.8	830.3	744.2	622.5	475.3	336.2	203.3	107.7	54.3	29.6	0.4
47.5°	499.1	482.9	438.5	358.6	262.6	176.4	104.1	57.9	31.9	14.4	0.4
50°	261.2	241.0	207.4	157.1	115.8	81.2	50.7	31.0	15.7	4.5	0.4
52.5°	91.6	90.2	82.1	61.9	50.3	36.4	24.7	13.5	4.5	0.9	0.4
55°	13.0	13.0	12.1	13.5	14.4	13.0	8.5	3.6	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°	52.5	52.5	52.5	52.5	52.5
2.5°	52.1	41.7	33.2	29.2	27.8
5°	48.9	31.4	20.6	16.2	15.3
7.5°	43.5	22.4	12.6	9.0	8.5
10°	38.2	16.2	7.6	5.4	4.9
12.5°	31.9	11.2	4.9	3.1	2.7
15°	26.5	7.6	2.7	2.2	1.8
17.5°	21.1	4.9	1.8	1.3	1.8
20°	16.6	3.1	0.9	0.9	0.9
22.5°	12.6	1.8	0.9	0.9	0.9
25°	9.0	0.9	0.4	0.4	0.9
27.5°	6.3	0.4	0.4	0.4	0.9
30°	3.6	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	2.7
50°	0.9	1.3	1.8	2.7	2.7
52.5°	0.9	1.3	2.2	2.7	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	2.7	3.1
70°	1.3	1.8	2.2	2.7	2.7
72.5°	1.8	1.8	2.2	2.7	2.7
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)