

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: P1338527

Luminaire Tested: P3A05R359840DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338527
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: P3A05R359840DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

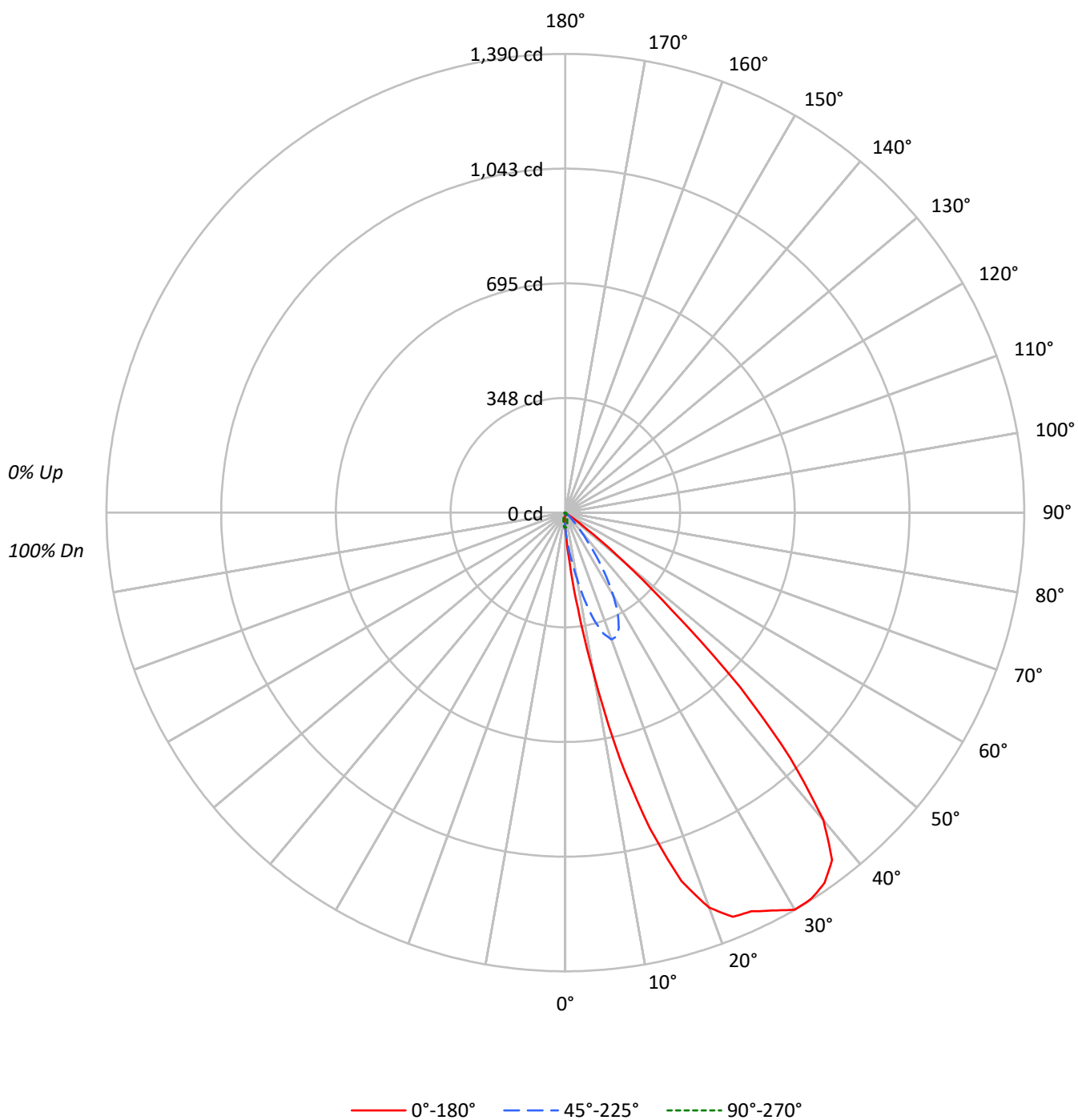
Lumens per Lamp: N/A
Luminaire Lumens: 437.1 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	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	60
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	50	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°	10065	10065	10065	10065	10065
5°	34272	22276	9421	3962	2928
10°	110307	45156	7415	1492	957
15°	224769	76595	5244	545	363
20°	297223	95395	3384	187	187
25°	322519	92739	1887	97	194
30°	351826	73910	785	101	203
35°	366578	45990	214	107	214
40°	347880	20095	115	229	344
45°	232241	8032	124	372	620
50°	77882	1330	273	546	819
55°	4358	153	306	765	1032
60°	351	175	526	877	1184
65°	415	208	623	1038	1401
70°	256	256	769	1282	1539
75°	339	339	1017	1356	1694
80°	0	505	1515	1515	1515
85°	0	1006	3019	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 232241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	1.8
10°-20°	62.8	14.4
20°-30°	132.5	30.3
30°-40°	150.3	34.4
40°-50°	74.0	16.9
50°-60°	6.4	1.5
60°-70°	1.3	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	203.2	46.5
0°-40°	353.5	80.9
0°-60°	433.9	99.3
0°-90°	437.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	156	101	43	18	13	26
15°	990	337	23	2	2	282
25°	1333	383	8	0	1	620
35°	1369	172	1	0	1	844
45°	749	26	0	1	2	553
55°	11	0	1	2	3	45
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°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
2.5°	79.6	81.6	80.8	80.4	80.0	78.5	74.9	74.5	71.0	68.6	56.9
5°	155.7	152.6	153.4	149.1	143.6	135.7	130.6	119.6	110.6	101.2	66.3
7.5°	293.4	289.1	280.9	268.3	255.4	238.5	213.0	192.6	169.1	146.7	73.7
10°	495.4	493.1	482.5	450.3	422.1	377.0	334.6	289.9	246.0	202.8	78.8
12.5°	765.3	749.3	730.0	687.3	631.6	575.1	491.5	414.2	344.0	271.8	79.2
15°	990.1	979.9	952.8	897.1	830.1	748.5	649.2	545.3	439.4	337.4	75.3
17.5°	1171.0	1155.3	1120.3	1065.8	988.5	882.6	766.5	639.8	510.7	384.0	68.6
20°	1273.7	1265.5	1238.8	1184.3	1099.9	984.2	852.0	704.5	555.5	408.8	60.0
22.5°	1325.5	1319.6	1300.0	1256.5	1177.6	1061.1	909.7	738.3	568.4	406.0	51.0
25°	1333.0	1331.4	1314.5	1281.6	1215.7	1100.3	934.8	744.5	557.8	383.3	42.4
27.5°	1358.9	1353.4	1333.4	1300.4	1234.1	1107.0	926.2	723.0	523.7	343.2	35.3
30°	1389.5	1385.5	1365.5	1331.4	1252.9	1100.7	895.6	675.1	469.2	291.9	26.3
32.5°	1387.1	1385.5	1368.7	1332.6	1239.6	1063.9	841.0	603.3	395.0	230.3	16.5
35°	1369.4	1364.0	1342.8	1287.1	1163.5	968.9	737.5	506.0	312.6	171.8	10.6
37.5°	1327.1	1315.3	1279.6	1185.1	1027.4	822.6	600.6	390.7	221.2	114.9	6.7
40°	1215.3	1200.4	1128.6	1014.4	849.3	648.0	446.8	268.7	145.9	70.2	2.7
42.5°	1008.2	978.0	906.2	788.9	633.9	458.2	293.4	174.2	85.9	42.4	0.8
45°	748.9	725.7	650.4	544.1	415.4	293.8	177.7	94.1	47.5	25.9	0.4
47.5°	436.2	422.1	383.3	313.4	229.5	154.2	91.0	50.6	27.9	12.6	0.4
50°	228.3	210.7	181.2	137.3	101.2	71.0	44.3	27.1	13.7	3.9	0.4
52.5°	80.0	78.8	71.8	54.1	43.9	31.8	21.6	11.8	3.9	0.8	0.4
55°	11.4	11.4	10.6	11.8	12.6	11.4	7.5	3.1	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.6	1.6	1.2	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	45.9	45.9	45.9	45.9	45.9
2.5°	45.5	36.5	29.0	25.5	24.3
5°	42.8	27.5	18.0	14.1	13.3
7.5°	38.1	19.6	11.0	7.8	7.5
10°	33.3	14.1	6.7	4.7	4.3
12.5°	27.9	9.8	4.3	2.7	2.4
15°	23.1	6.7	2.4	2.0	1.6
17.5°	18.4	4.3	1.6	1.2	1.6
20°	14.5	2.7	0.8	0.8	0.8
22.5°	11.0	1.6	0.8	0.8	0.8
25°	7.8	0.8	0.4	0.4	0.8
27.5°	5.5	0.4	0.4	0.4	0.8
30°	3.1	0.4	0.4	0.4	0.8
32.5°	1.6	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.2
40°	0.4	0.4	0.8	1.2	1.2
42.5°	0.4	0.4	0.8	1.2	1.6
45°	0.4	0.8	1.2	1.6	2.0
47.5°	0.8	0.8	1.6	2.0	2.4
50°	0.8	1.2	1.6	2.4	2.4
52.5°	0.8	1.2	2.0	2.4	2.7
55°	0.8	1.6	2.0	2.7	2.7
57.5°	1.2	1.6	2.0	2.7	2.7
60°	1.2	1.6	2.0	2.7	2.7
62.5°	1.2	1.6	2.0	2.7	2.7
65°	1.2	1.6	2.0	2.7	2.7
67.5°	1.2	1.6	2.0	2.4	2.7
70°	1.2	1.6	2.0	2.4	2.4
72.5°	1.6	1.6	2.0	2.4	2.4
75°	1.2	1.6	1.6	2.0	2.0
77.5°	1.2	1.2	1.2	1.6	1.6
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	0.8	0.8	1.2	1.2
85°	1.2	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)