

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: P1338511

Luminaire Tested: P3A05R359835DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338511
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: P3A05R359835DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

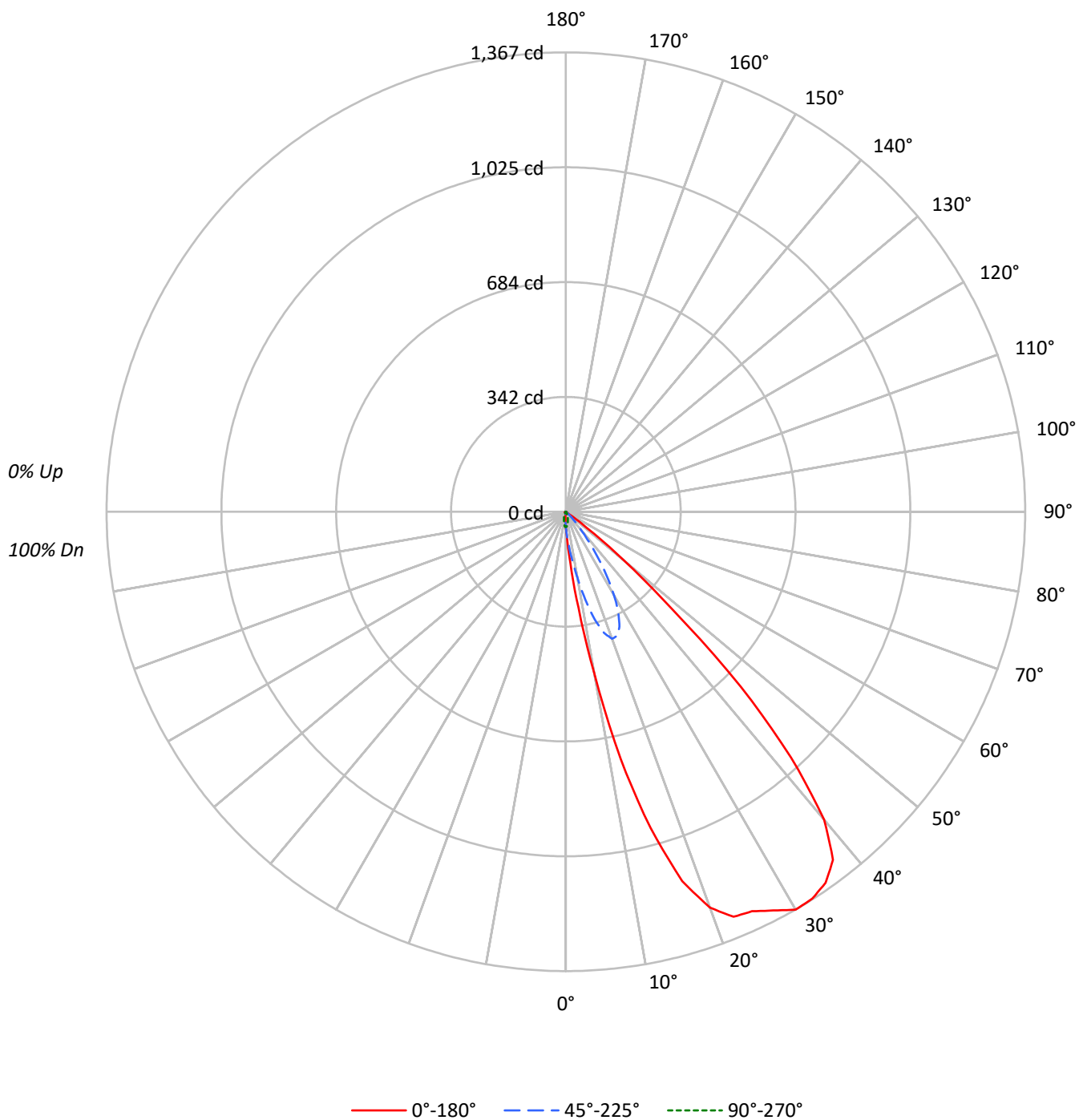
Lumens per Lamp: N/A
Luminaire Lumens: 430.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	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
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9911	9911	9911	9911	9911
5°	33722	21924	9267	3918	2884
10°	108548	44444	7303	1470	935
15°	221182	75369	5176	522	341
20°	292462	93855	3337	187	187
25°	317341	91239	1863	97	194
30°	346180	72720	785	101	203
35°	360715	45267	214	107	214
40°	342298	19780	115	229	344
45°	228520	7908	124	372	589
50°	76620	1330	273	512	785
55°	4282	153	306	726	1032
60°	351	175	526	833	1184
65°	415	208	623	986	1401
70°	256	256	769	1218	1475
75°	339	339	1017	1271	1610
80°	0	505	1515	1515	1515
85°	0	1006	3019	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 228520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	1.8
10°-20°	61.8	14.4
20°-30°	130.4	30.3
30°-40°	147.9	34.4
40°-50°	72.8	16.9
50°-60°	6.3	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°	199.9	46.5
0°-40°	347.8	80.9
0°-60°	427.0	99.3
0°-90°	430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	153	100	42	18	13	25
15°	974	332	23	2	2	277
25°	1312	377	8	0	1	610
35°	1348	169	1	0	1	830
45°	737	26	0	1	2	544
55°	11	0	1	2	3	44
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°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
2.5°	78.4	80.3	79.5	79.1	78.7	77.2	73.7	73.3	69.9	67.5	56.0
5°	153.2	150.2	150.9	146.7	141.3	133.6	128.5	117.7	108.9	99.6	65.2
7.5°	288.7	284.5	276.4	264.0	251.3	234.7	209.6	189.5	166.4	144.4	72.6
10°	487.5	485.2	474.8	443.1	415.3	370.9	329.3	285.3	242.0	199.6	77.6
12.5°	753.1	737.3	718.3	676.3	621.5	565.9	483.7	407.6	338.5	267.5	78.0
15°	974.3	964.2	937.6	882.8	816.8	736.5	638.8	536.5	432.3	332.0	74.1
17.5°	1152.2	1136.8	1102.4	1048.7	972.7	868.5	754.2	629.6	502.6	377.9	67.5
20°	1253.3	1245.2	1219.0	1165.3	1082.3	968.5	838.4	693.2	546.6	402.2	59.1
22.5°	1304.3	1298.5	1279.2	1236.3	1158.8	1044.1	895.1	726.4	559.3	399.5	50.2
25°	1311.6	1310.1	1293.5	1261.0	1196.2	1082.7	919.8	732.6	548.9	377.1	41.7
27.5°	1337.1	1331.7	1312.0	1279.6	1214.3	1089.3	911.3	711.4	515.3	337.7	34.7
30°	1367.2	1363.3	1343.6	1310.1	1232.9	1083.1	881.2	664.3	461.7	287.2	25.9
32.5°	1364.9	1363.3	1346.7	1311.2	1219.7	1046.8	827.6	593.7	388.7	226.6	16.2
35°	1347.5	1342.1	1321.3	1266.4	1144.9	953.4	725.7	497.9	307.6	169.1	10.4
37.5°	1305.8	1294.2	1259.1	1166.1	1010.9	809.4	591.0	384.5	217.7	113.1	6.6
40°	1195.8	1181.1	1110.5	998.2	835.7	637.7	439.6	264.4	143.6	69.1	2.7
42.5°	992.0	962.3	891.6	776.2	623.8	450.8	288.7	171.4	84.5	41.7	0.8
45°	736.9	714.1	640.0	535.4	408.8	289.1	174.9	92.6	46.7	25.5	0.4
47.5°	429.2	415.3	377.1	308.4	225.8	151.7	89.6	49.8	27.4	12.4	0.4
50°	224.6	207.3	178.3	135.1	99.6	69.9	43.6	26.6	13.5	3.9	0.4
52.5°	78.7	77.6	70.6	53.3	43.2	31.3	21.2	11.6	3.9	0.8	0.4
55°	11.2	11.2	10.4	11.6	12.4	11.2	7.3	3.1	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.5	1.5	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°	45.2	45.2	45.2	45.2	45.2
2.5°	44.8	35.9	28.6	25.1	23.9
5°	42.1	27.0	17.8	13.9	13.1
7.5°	37.4	19.3	10.8	7.7	7.3
10°	32.8	13.9	6.6	4.6	4.2
12.5°	27.4	9.6	4.2	2.7	2.3
15°	22.8	6.6	2.3	1.9	1.5
17.5°	18.1	4.2	1.5	1.2	1.5
20°	14.3	2.7	0.8	0.8	0.8
22.5°	10.8	1.5	0.8	0.8	0.8
25°	7.7	0.8	0.4	0.4	0.8
27.5°	5.4	0.4	0.4	0.4	0.8
30°	3.1	0.4	0.4	0.4	0.8
32.5°	1.5	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	1.5
45°	0.4	0.8	1.2	1.5	1.9
47.5°	0.8	0.8	1.5	1.9	2.3
50°	0.8	1.2	1.5	2.3	2.3
52.5°	0.8	1.2	1.9	2.3	2.7
55°	0.8	1.5	1.9	2.7	2.7
57.5°	1.2	1.5	1.9	2.7	2.7
60°	1.2	1.5	1.9	2.7	2.7
62.5°	1.2	1.5	1.9	2.7	2.7
65°	1.2	1.5	1.9	2.7	2.7
67.5°	1.2	1.5	1.9	2.3	2.7
70°	1.2	1.5	1.9	2.3	2.3
72.5°	1.5	1.5	1.9	2.3	2.3
75°	1.2	1.5	1.5	1.9	1.9
77.5°	1.2	1.2	1.2	1.5	1.5
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)